

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ X WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

890607 Chg of opn eff 6/89

890707 Conf status updated

941207 OPEN NAME CHANGE fr D6VE to DALIN eff 10-1-94

DATE FILED 1-28-88

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U-30096

INDIAN

DRILLING APPROVED: 2-4-88

SPUDDED IN: 3-18-88

COMPLETED: 5-27-88 POW PUT TO PRODUCING: 5-5-88

INITIAL PRODUCTION: 30 BOPD, 33 BWPD

GRAVITY A.P.I. 34

GOR:

PRODUCING ZONES: 4415-4409, 4880-4911, 5813-5854 GRRV

TOTAL DEPTH: 6040

WELL ELEVATION: 5727 GR

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. FEDERAL 41-5-G

API #43-013-31205

LOCATION 631' FNL FT. FROM (N) (S) LINE. 517' FEL

FT. FROM (E) (W) LINE. NE NE (Lot 1) 1/4 - 1/4 SEC.

5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

9S

16E

5

DALIN RESOURCES Oil & Gas

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta <i>Surface</i>	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River <i>1738 TD 6040</i>	Frontier	Phosphoria	Elbert
<i>Oil shale facies 2840</i>	Dakota	Park City	McCracken
<i>Douglas Creek 4801</i>	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

*Natural Gas
Corporation of
California*

RECEIVED
JAN 22 1988

January 19, 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Branch of Fluid Minerals
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84078

Re: NGC #41-5-G Federal
NE NE Sec. 5, T9S, R16E
Duchesne County, Utah

Gentlemen:

Natural Gas Corporation of California proposes to drill the subject well.
Enclosed are the following documents:

- 1) Application for Permit to Drill
- 2) Ten Point Plan
- 3) 13 Point Surface Use Plan
- 4) Surveyor's Plat

Your early consideration and approval of this application would be appreciated. Please contact me in the Vernal office if you have any questions concerning this application.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

/kh

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Natural Gas Corporation of California		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 517' FEL, 631' FNL NE NE Section 5, S.L.B.&M. At proposed prod. zone		9. WELL NO. 41-5-G	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 13.5 miles southwest from Myton, Utah		10. FIELD AND POOL, OR WILDCAT Monument Butte	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 632'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E SLB&M	
16. NO. OF ACRES IN LEASE 1243		12. COUNTY OR PARISH 13. STATE Duchesne Utah	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	
19. PROPOSED DEPTH 5925'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		22. APPROX. DATE WORK WILL START February 1988	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	To surface
7-7/8"	5-1/2"	17#	TD	As required

T.D. to be 5925' in the Green River formation.

Attached: Application for Permit to Drill
Ten Point Plan
13 Point Surface Use Plan
B.O.P. Diagram
Survey Plat
Cut and Fill Diagram
Topographic Map

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Mike L. McMican</u> TITLE <u>Petroleum Engineer</u> DATE <u>January 11, 1988</u>	
(This space for Federal or State office use)	
PERMIT NO. <u>43-013-31205</u>	APPROVAL DATE <u>DATE 2-4-88</u>
APPROVED BY _____	TITLE _____
CONDITIONS OF APPROVAL, IF ANY:	

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

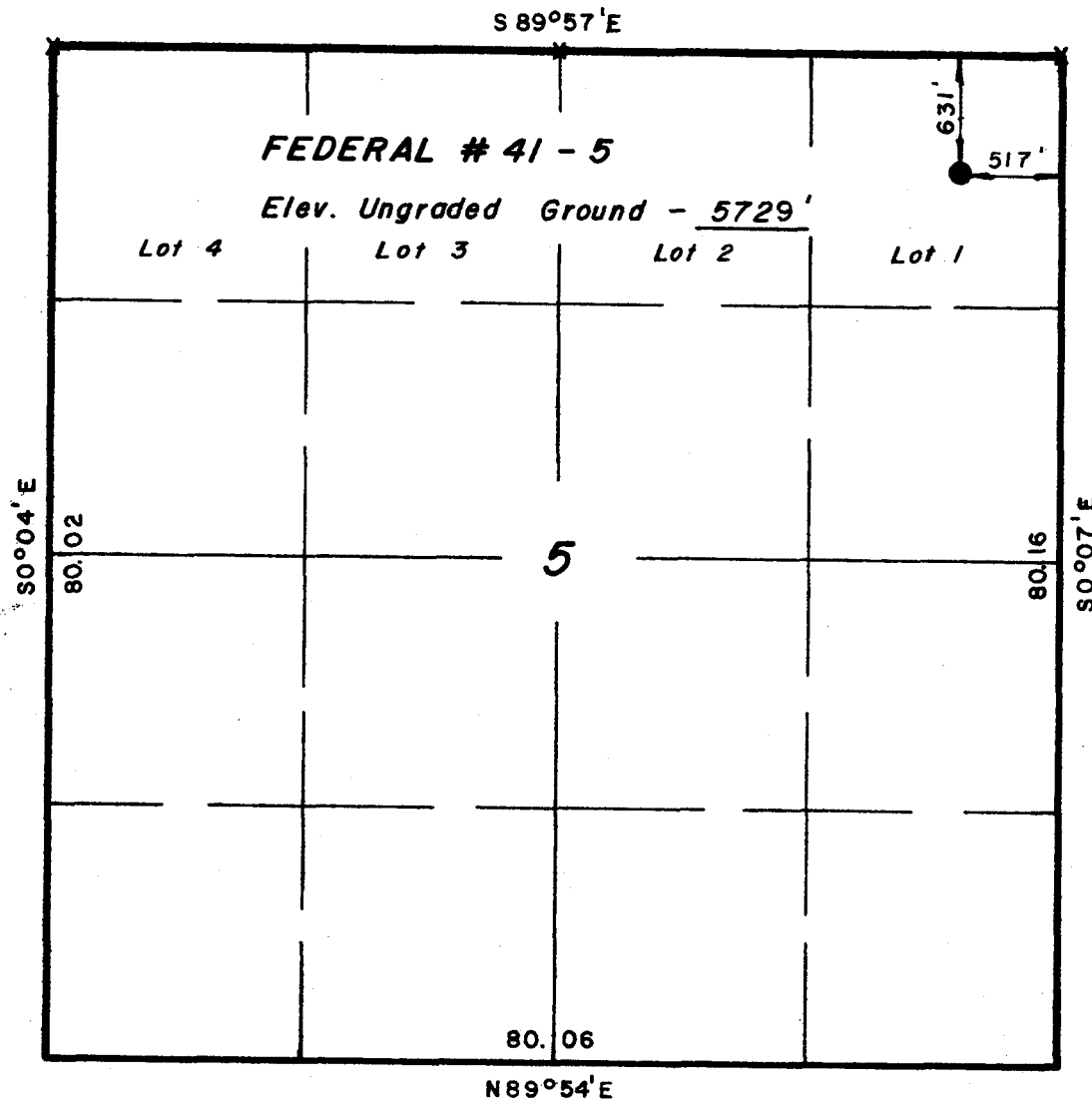
DATE 2-4-88
BY John R. Boyer
WELL SPACING: R615-3-2

*See Instructions On Reverse Side

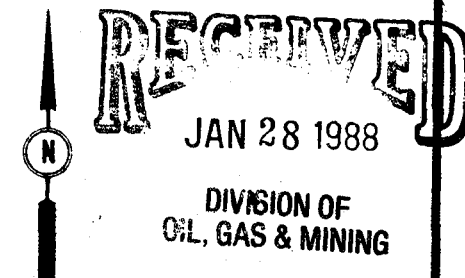
T 9 S, R 16 E, S.L.B. & M.

PROJECT
NATURAL GAS CORP. OF CALIFORNIA

Well location, **FEDERAL # 41-5**,
located as shown in Lot 1, Section
5, T9S, R16E, S.L.B. & M. Duchesne
County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Donna Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 354
STATE OF UTAH

Revised 12-5-85
Revised 1-26-88

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	11/13/85
PARTY	J.K. G.M. S.B.	REFERENCES	GLO Plat
WEATHER	Cool	FILE	Roseland

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NATURAL GAS CORP.

JAN 14 1988

DESIGNATION OF OPERATOR

VERNAL OFFICE

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah 30096
SERIAL No.:

and hereby designates

NAME: Natural Gas Corporation of California
ADDRESS: Four Embarcadero Center, Suite 1400
San Francisco, CA 94111

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 9 South, Range 16 East
Section 5: Lot 1 (NE $\frac{1}{4}$ NE $\frac{1}{4}$)

Duchesne County, Utah

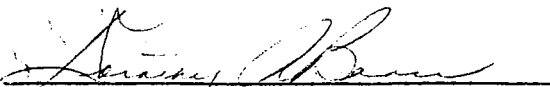
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

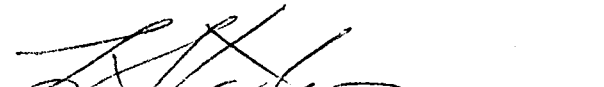
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

CHORNEY OIL COMPANY

ATTEST:


Ass't. Sec.


Vice Pres. (Signature of lessee)

555 17th Street, Ste 1000
Denver, CO 80202-3910

January 12, 1988

(Date)

(Address)

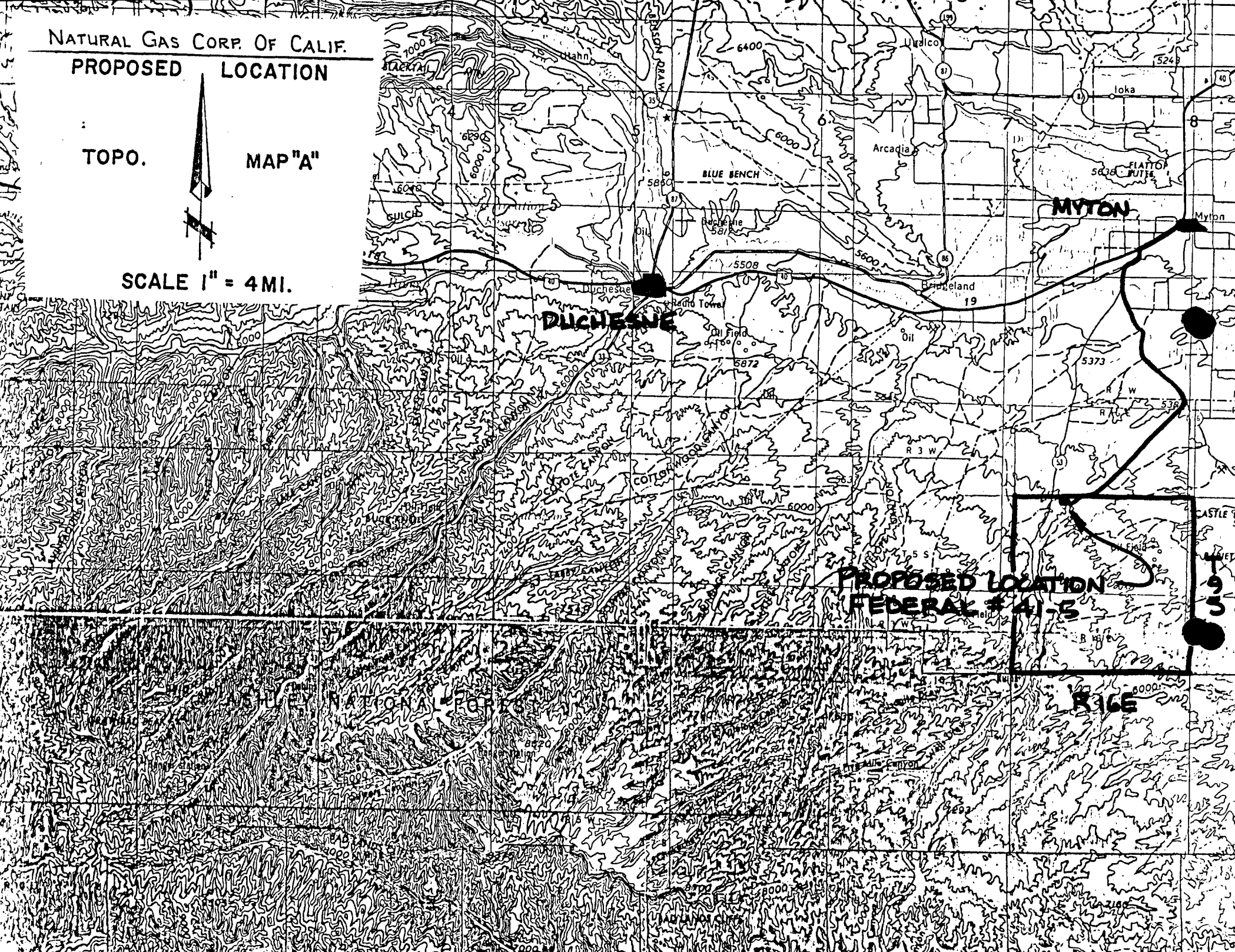
This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

NATURAL GAS CORP. OF CALIF.
PROPOSED LOCATION

TOPO.

MAP "A"

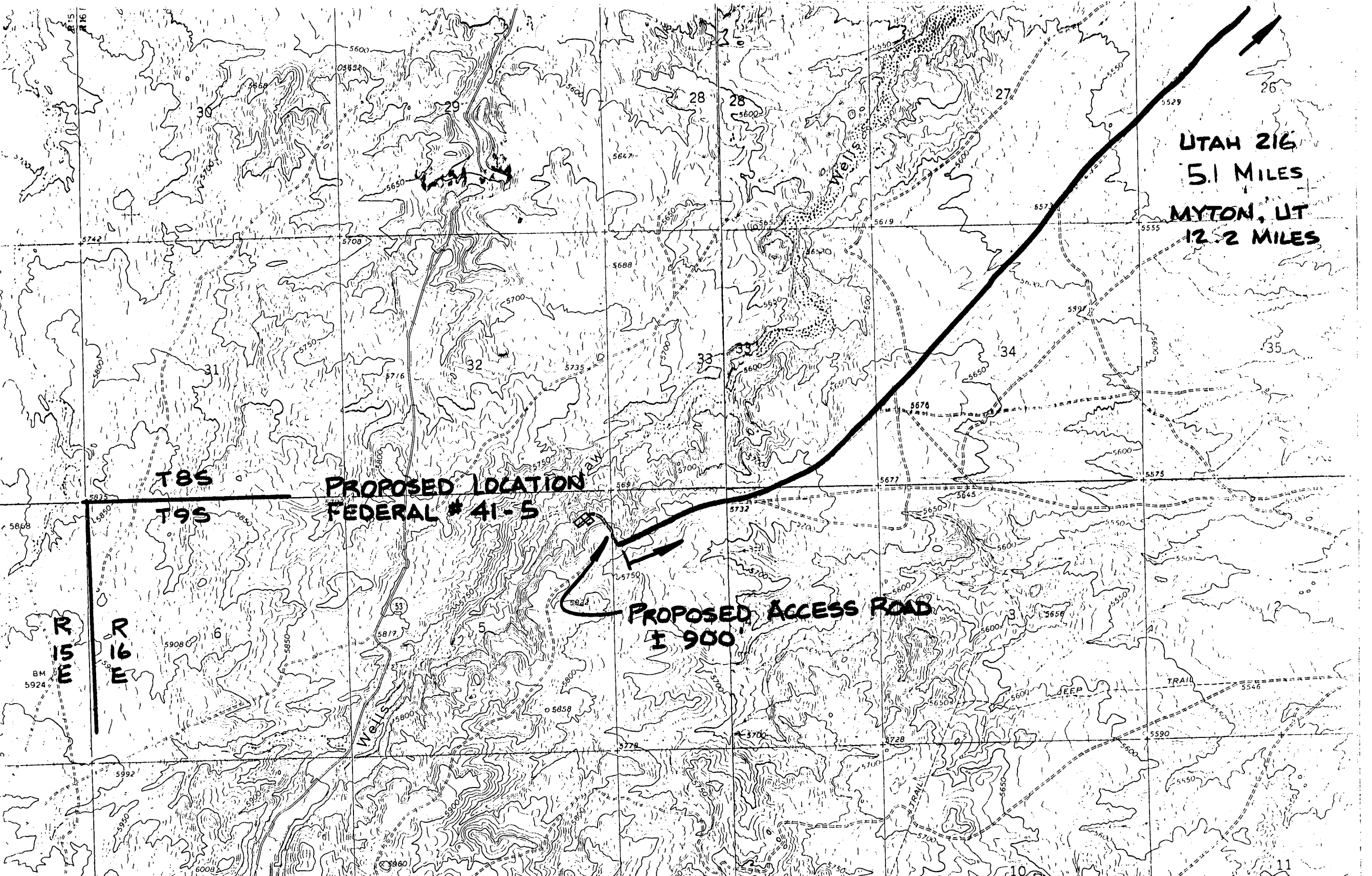
SCALE 1" = 4 MI.



PROPOSED LOCATION
FEDERAL # 41-B

RILE

T
9
3



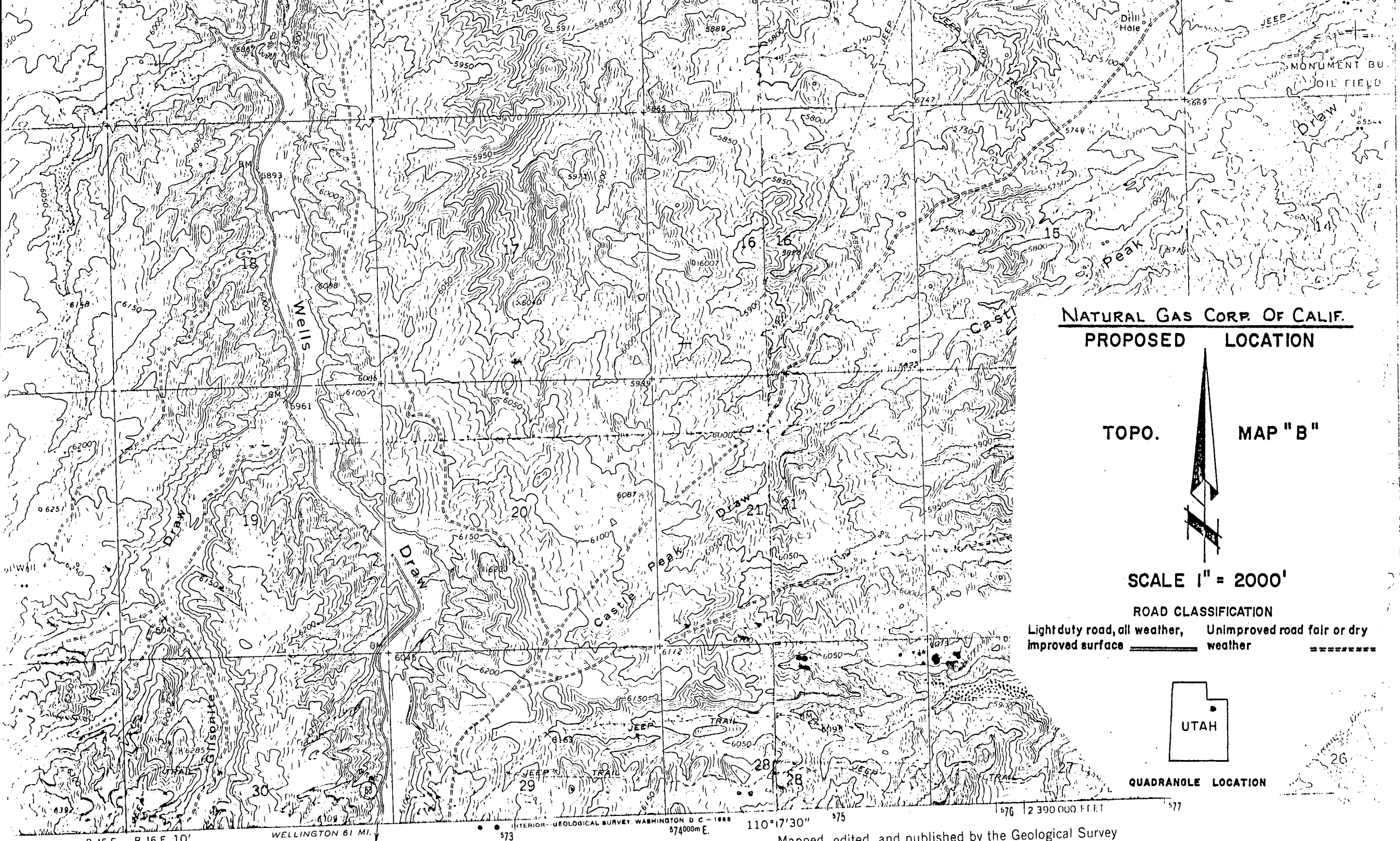
UTAH 216
5.1 MILES
MYTON, UT
12.2 MILES

PROPOSED LOCATION
FEDERAL # 41-5

PROPOSED ACCESS ROAD
± 900'

T8S
T9S

R15E
R16E

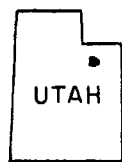


NATURAL GAS CORP. OF CALIF.
PROPOSED LOCATION

TOPO. MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION
Light duty road, all weather, improved surface Unimproved road fair or dry weather



QUADRANGLE LOCATION

R. 15 E. R. 16 E. 10'

WELLINGTON 61 MI.

573

INTERIOR GEOLOGICAL SURVEY, WASHINGTON D.C. - 1958
5740000 E.

110° 17' 30" 575

12 390 000 FEET 576 577

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial

ROAD CLASSIFICATION

GN MN

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Natural Gas Corporation of California Well No. 41-5-G
Location NE NE Section 5, T9S, R16E Lease No. U-30096
Onsite Inspection Date 12/11/85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	+ 5728'
Green River	1650'	+ 4078'
Douglas Creek	4860'	+ 880'
TD	5925'	- 183'

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Oil zones:	Green River	4200' - 5925'
Gas zones:	Green River	4200' - 5925'
Water zones:	None	
Mineral zones:	Oil Shale	Top - 1650'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the surface casing. The BOP system including the casing will be pressure tested to a minimum of 2000 psi for 15 mins. prior to drilling and will be mechanically checked daily during drilling operations.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Ft.</u>	<u>Depth</u>	<u>Csg. New/Used</u>
12-1/4"	9-5/8"	36#	300'	New
7-7/8"	5-1/2"	17#	TD	New

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

Auxiliary equipment will be upper kelly cock, full opening stabbing valve, 2½" choke manifold, and pit level indicator.

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss ML/30 mins.</u>	<u>Mud Type</u>
0-300	---	---	---	Air
300-TD	8.3	27	No Control	Water

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Testing, Coring, Sampling and Logging:

- a. Testing: As warranted.
- b. Coring: None.
- c. Sampling: 10' intervals, 3000' to TD.
- d. Logging:

<u>Type</u>	<u>Depth</u>
DIL-SFL	TD - 300'
FDC/CNL w/GR	TD - 300'

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Normal temperature and pressure gradients are expected. No hazardous gasses have been encountered in this area at this depth.

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: February, 1988
Spud Date: February, 1988

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into lined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Venting of gas will be in accordance with Rule C-27 of the Utah Oil, Gas & Mining Division and NTL-4A.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

NATURAL GAS CORPORATION OF CALIFORNIA

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION: 41-5-6

LOCATED IN

SECTION 5, T9S, R16E, S.L.B. & M.

DUCHESNE COUNTY, UTAH

13 POINT SURFACE USE PLAN

1. Existing Roads:

See attached topographic map "A".

To reach NGC #41-5-G Federal located in Section 5, Township 9 South, Range 16 East, Salt Lake Base and Meridian, Duchesne County, Utah:

Proceed Southwesterly out of Myton, Utah on U.S. Highway 40 for 1.5 miles. Turn South on State Highway #53 and proceed approximately 7 miles to the BLM cattle guard. Turn right and go approximately 5 miles to stakes leading North to location.

All roads besides Highway 40 and 53 are dirt oilfield built from native material. There will be no additional construction on the above described roads.

2. Planned Access Road:

The access road leaves the existing road at a point in the N.E. 1/4 of Section 5, and proceeds North for 1/4 mile to location. This section of road will require total construction and will be built from native materials. The road is on BLM surface.

- A. Length - 900' access
- B. Width - 30' right-of-way with 18' running surface maximum
- C. Maximum grades - 8° (degrees)
- D. Turnouts - None
- E. Drainage design - Ditched on each side
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - 18" culvert where road goes on to location.
- G. Surfacing materials (source) - Native materials from lease construction.
- H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - N.A.
- I. Access road surface ownership - BLM

(New or reconstructed roads are to be centerline-flagged at time of location staking.)

All travel will be confined to existing access road right-of ways.

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

3. Location of Existing Wells:

There are several existing oil wells in the area. These are the NGC Federal 21-5 to the West and 42-5 to the South, the Roseland Oil & Gas State 24-32, 23-32, 14-32, 44-31, and the 13-32 to the Northwest.

There are no known water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut-in wells, or injection wells within a one mile radius of the proposed well.

See attached map.

4. Location of Tank Batteries and Production Facilities::

In the event that production is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The area will be built, if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workmen crews to construct and place the proposed facilities.

All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a Desert Brown color. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery. The integrity of the dike must be maintained.

Tank batteries will be placed on the Northeast side between points 3 and 4.

All loading lines will be placed inside the berm surrounding the tank battery.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed area no longer needed for operations after construction is completed will meet the requirements of Item #10.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-leave storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500' of the wellhead. The gas flowline will be buried, or anchored down from the wellhead to the meter and 500' downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. test for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

5. Location and Type of Water Supply:

Water to be used for drilling and production of this well will be hauled by truck from Pleasant Valley.

In the event that the above sources are not used, other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water wells drilled at this location site.

6. Source of Construction Material:

The surface is under BLM jurisdiction.

All construction materials for this location site and access road will be borrow materials, accumulated during construction of the location site. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources. A minerals material application is not required.

The native materials that will be used in the construction of this location site and access road will consist of sandy clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. Methods of Handling Waste Disposal:

See location layout sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cutting, salts, drilling fluids, chemicals, and produced fluids, etc.

In order to prevent contamination to surrounding areas, and to conserve water, the reserve pits will be double lined with a 20 mil plastic liner and bentonite, to be determined when pit is built. The liner will be torn and perforated before backfilling the reserve pit.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

Drilling fluid and water from testing will be disposed of by allowing them to evaporate in the lined pit and then buried. An excess of oil in the reserve pit will be removed before the pit is backfilled. The pit water will be analyzed and hauled off if deemed necessary.

When the reserve pit dries or is emptied and disposed of and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be supplied for human waste.

Burning of trash will not be allowed.

If the reserve pit is lined, it shall be constructed so as not to leak, break, or allow discharge.

The bottom of the reserve pit shall not be in fill material.

For the following reasons the reserve pit will be lined:

To conserve water (because of operator's request).

To protect the environment.

If the reserve pit is lined, the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

Produced waste water will be confined to a lined pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. During the 90-day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. Ancillary Facilities:

There are no ancillary facilities planned for at the present time and none foreseen in the near future. Camp facilities or an airstrip will not be required.

9. Well Site Layout:

See attached location layout sheet.

The reserve pit will be located on the N.E. corner between points 4 and 5.

The stockpiled topsoil will be winrowed and used as berm on the Southwest side near point 6.

Access to the well pad will be from the North East near point 3.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. Fencing will be on 3 sides during drilling operations and on the fourth side after the rig moves off the location. The reserve pit will be reduced by 25' for topographic reasons.

A diversion ditch will be constructed on the East side of the location below the cut slope draining to the West on both sides of the location.

The #2 and #8 corners of the location will be rounded off to avoid washes.

All involved agencies shall be notified before any construction begins on the proposed location site and road.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

The fence for the reserve pit will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

The drainage(s) shall be diverted around the north and south sides of the well pad location.

The reserve pit shall be constructed/reduced for topographic reasons, 50' x 125'.

10. Plans for Restoration of Surface:

Immediately upon well completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within six months from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

An appropriate seed mixture will be determined by the BLM, Private Surface Owner, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September 15 until the ground freezes.

At such time as the well is plugged and abandoned, the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.

As mentioned in Item #7, the reserve pit will be completely fenced and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

Restoration activities shall begin within eight months after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

11. Surface and Mineral Ownership:

The surface for all constructed roads and well location is under the jurisdiction of the BLM and the minerals are Federal.

12. Other Information:

The Topography of the General Area (See Topographic Map "B").

The area is at the Northwest end of the Uintah Basin which is formed by the Book Cliff Mountains and the Green River to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

The majority of the small drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunder-storms or rain storms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

The oils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation average, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of juniper, pinion pine, sagebrush, rabbitbrush, some grasses, and cacti, on the upper benches with cottonwoods, beach, willows, Russian olives, and grasses along the lower levels close to the wet area and streams.

The fauna of the area consist predominately of the mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The area is used by man for the primary purpose of grazing livestock.

There will be no deviation from the proposed drilling an/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notices and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.2

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for used prior to application.

Additional Surface Stipulations for BLM, BIA, FS, DWR, or Private Surface Lands:

The operator or his contractor shall contact the BLM Offices at 801-789-1362 between 24 and 48 hours prior to construction activities. Contact Al Birch.

The BLM Office will be notified upon site completion prior to moving on the drilling rig.

The location will be moved 30' to the South East. S 30° 42' 07" E

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

13. Lessee's of Operators Representative and Certification

Representative

Mike L. McMican
Natural Gas Corporation of California
85 South 200 East
Vernal, UT 84078
Telephone: 801-789-4573

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Natural Gas Corporation of California and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

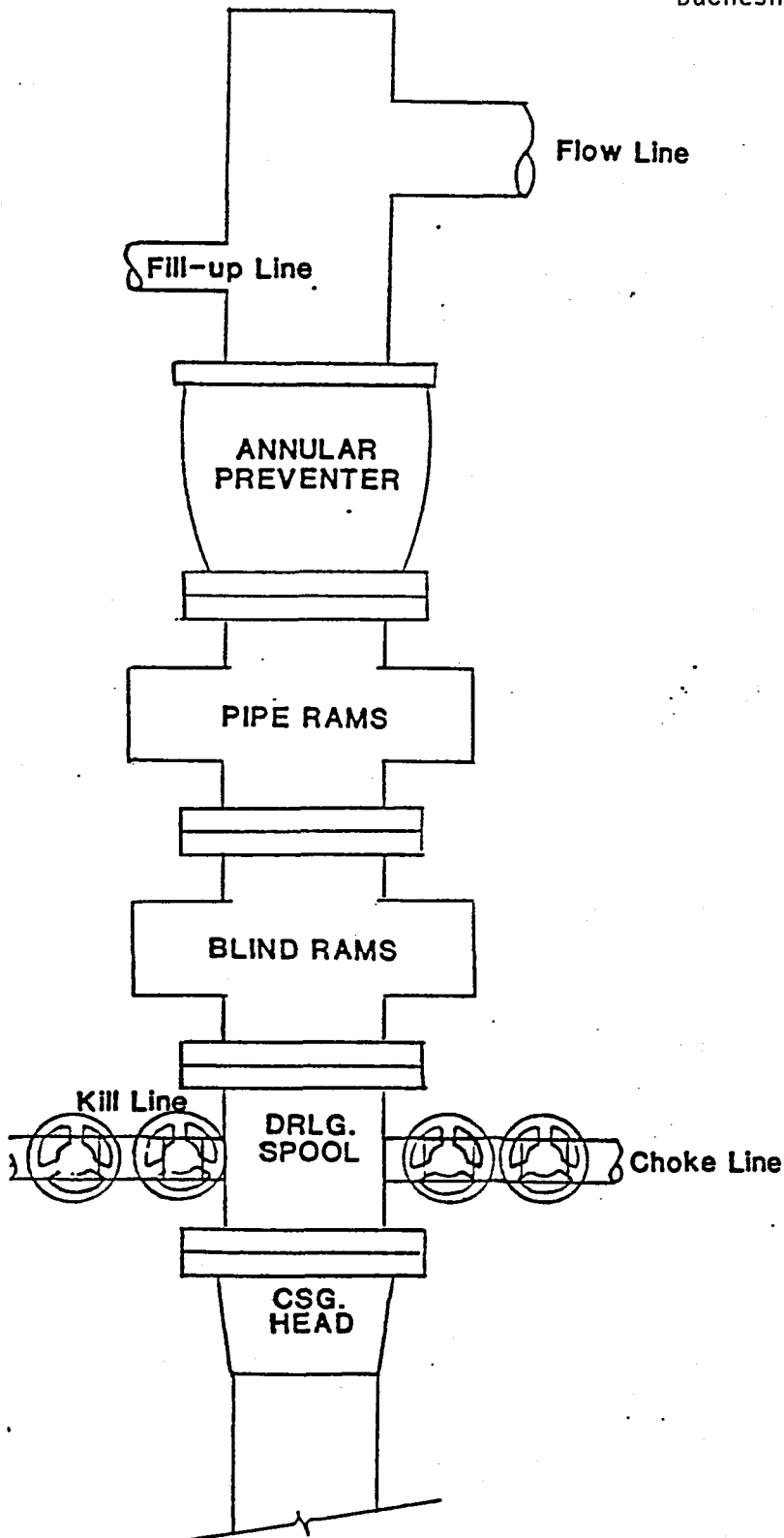
1-19-88
Date

Mike McMican
Mike L. McMican, Petroleum Engineer

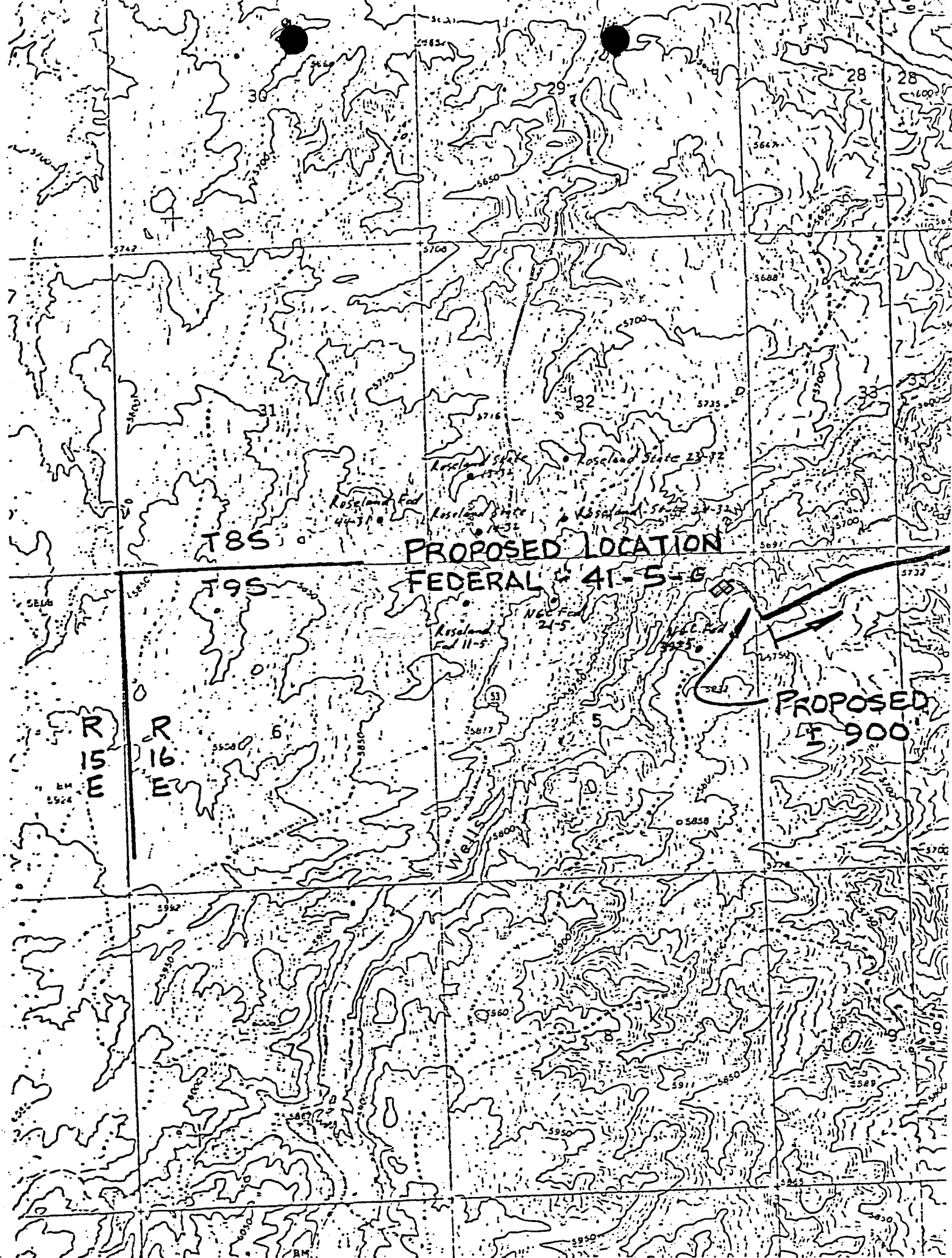
NATURAL GAS CORPORATION
OF
CALIFORNIA

BOP AND PRESSURE CONTAINMENT DATA

Federal 41-5-G
NE NE Sec. 5, T9S, R16E
Duchesne County, UT



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventors, one equipped w/pipe rams, the other w/blind rams. BOP system will be consistent with API RP 53.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment to be tested to 2000# for 15 minutes. The BOP's will be tested at the time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
5. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.



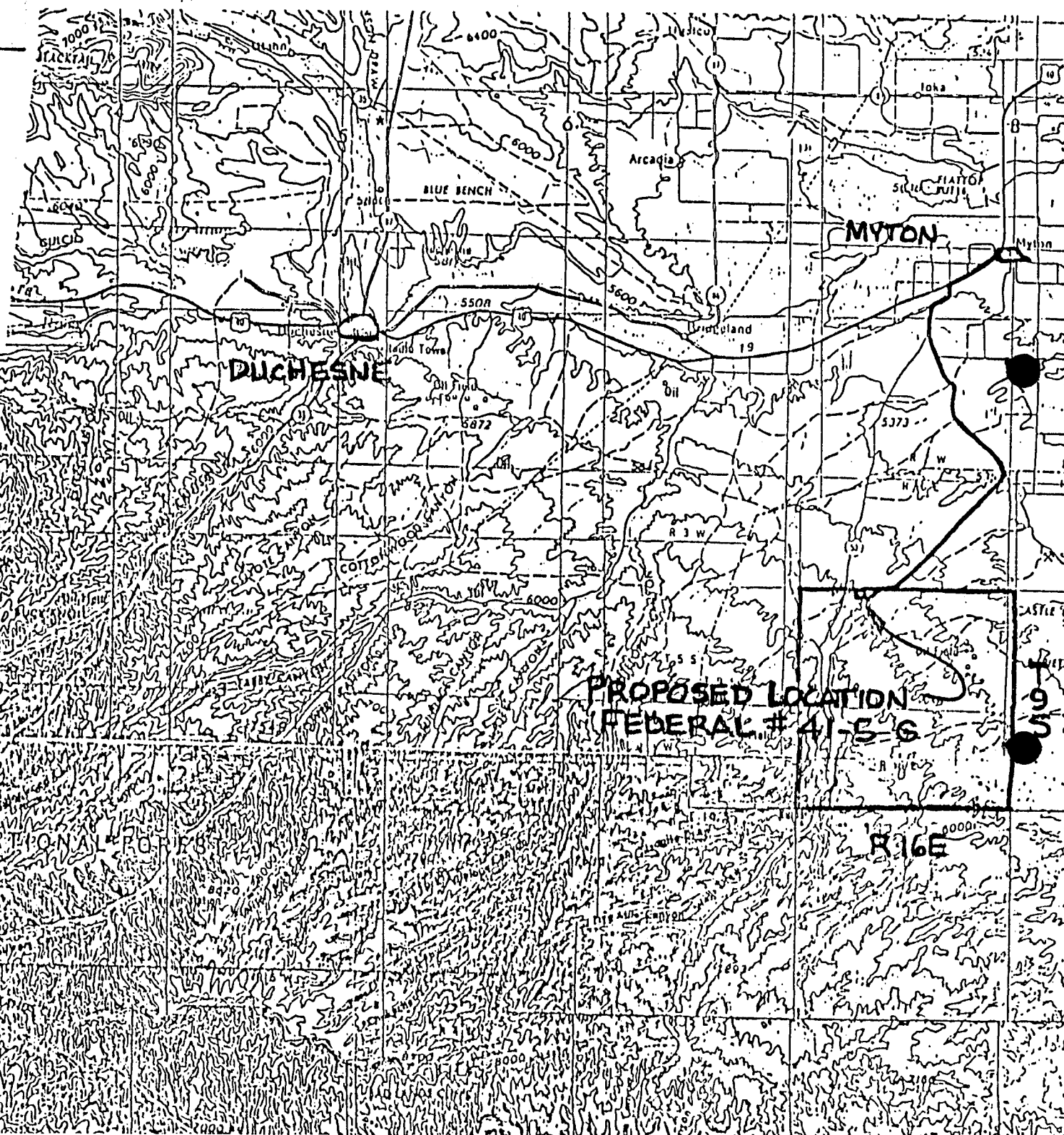
NATURAL GAS CORPORATION OF CALIF.

PROPOSED LOCATION

TOPO.

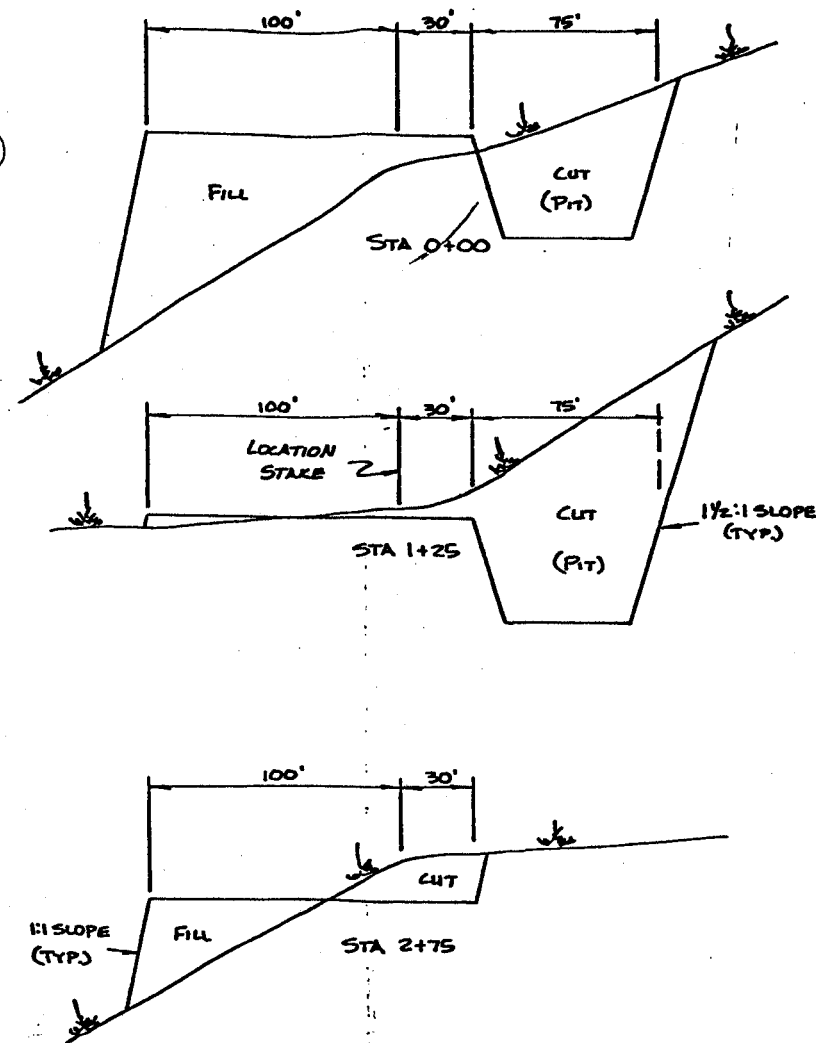
MAP "A"

SCALE 1" = 4 MI.



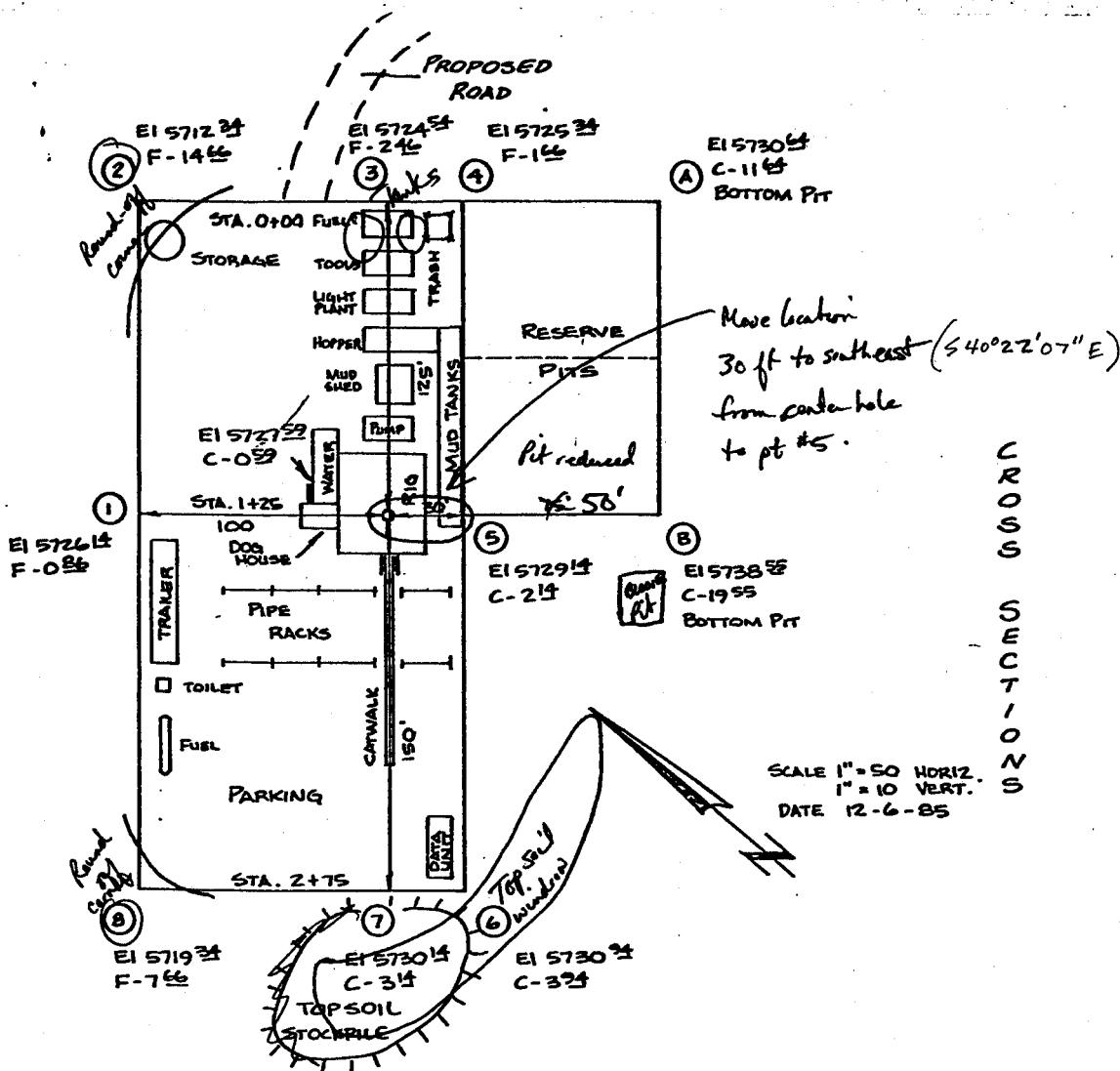
Natural Gas Corp of Calif LOCATION LAYOUT & CUT SHEET

Federal 41-5-G

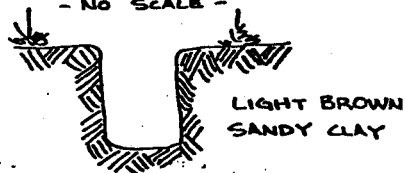


APPROX. YARDAGES

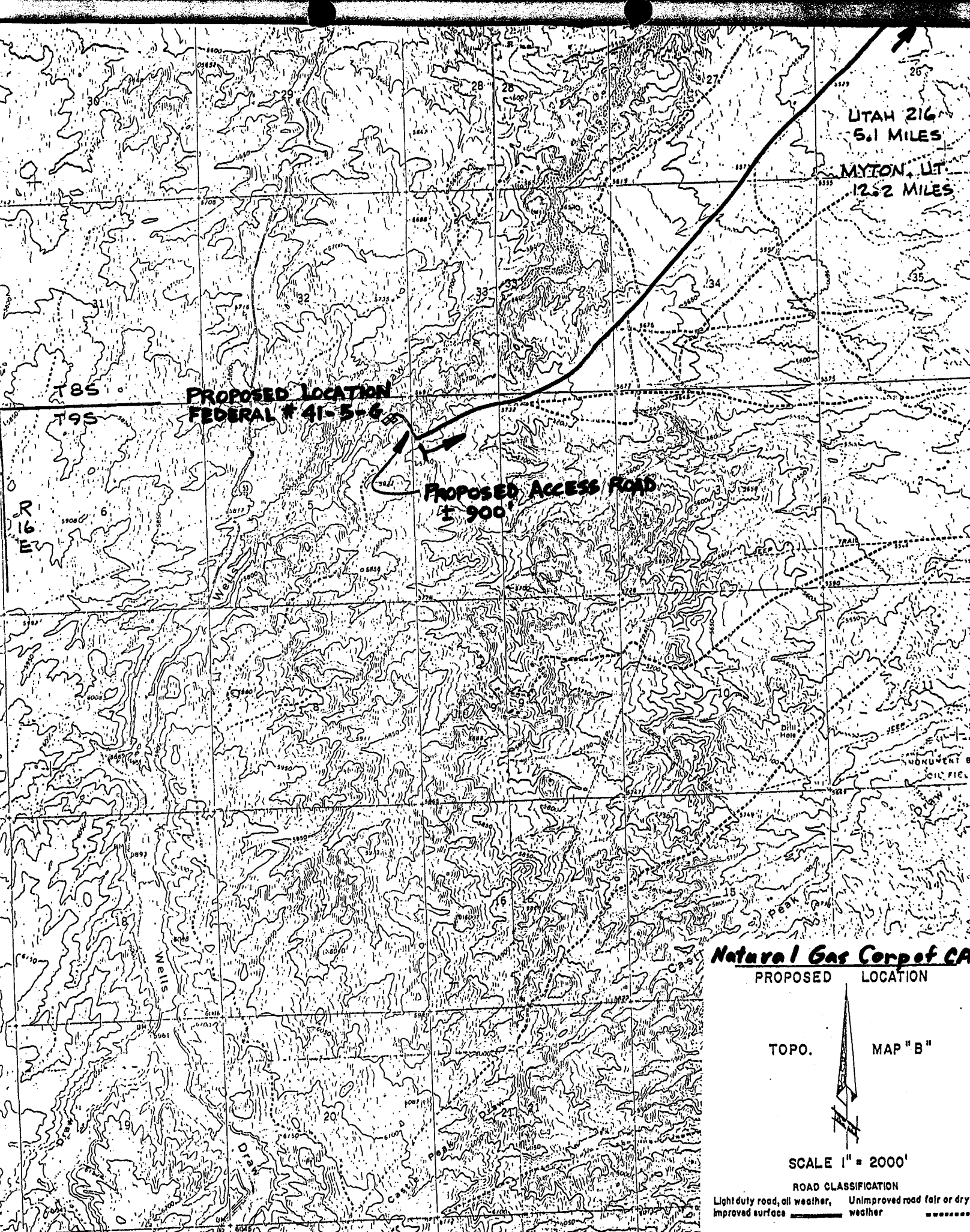
CU. YDS. CUT = 5287
CU. YDS. FILL = 4013



SOILS LITHOLOGY
- NO SCALE -



CROSS SECTIONS



UTAH 216
5.1 MILES
MYTON, UT
12.2 MILES

PROPOSED LOCATION
FEDERAL # 41-5-6

PROPOSED ACCESS ROAD
± 900'

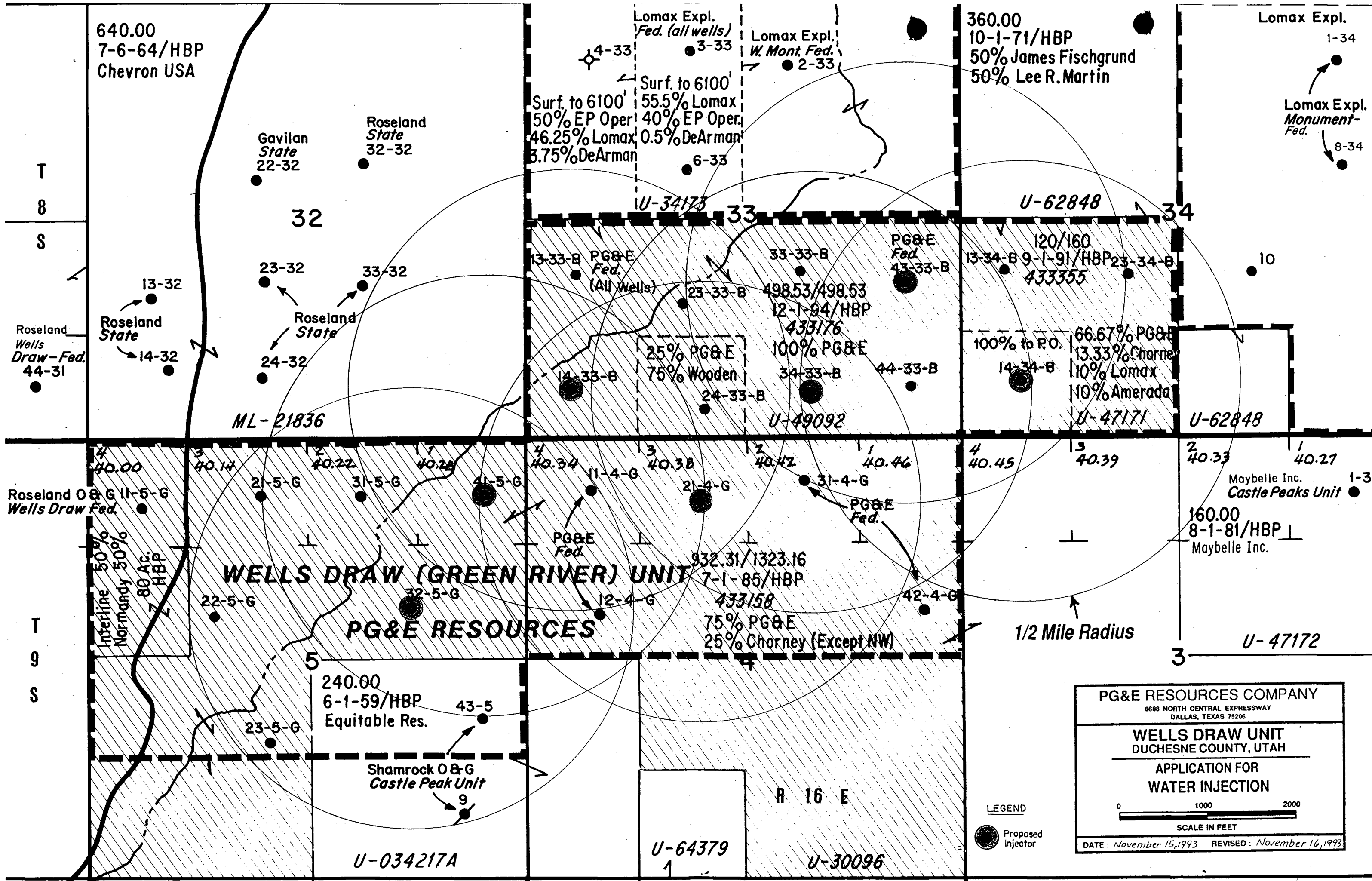
Natural Gas Corp of CA
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION
Light duty road, all weather, improved surface
Unimproved road fair or dry weather



~~CONFIDENTIAL~~

020834

OPERATOR Natural Gas Corp of Ga. DATE 1-26-88

WELL NAME Fed. 41-5-G

SEC (Lot 1) NE NE 5 T 9S R 16E COUNTY Barren

43-013-31205
API NUMBER

Fed.
TYPE OF LEASE

CONFIDENTIAL
PERIOD
EXPIRED
ON 7-31-89

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST
WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'

Need water permit

APPROVAL LETTER:

SPACING: ☐ R615-2-3

UNIT

☒

R615-3-2

☐

CAUSE NO. & DATE

☐

R615-3-3

STIPULATIONS:

1- water

0218T



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 4, 1988

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Gentlemen:

Re: Federal 41-5-G - (Lot 1) NE NE Sec. 5, T. 9S, R. 16E
631' FNL, 517' FEL - Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

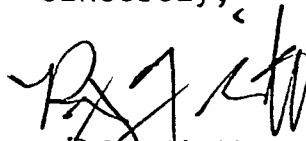
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Natural Gas Corporation of California
Federal 41-5-G
February 4, 1988

5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31205.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

516' FEL, 632' FNL NE NE Section 5, S.L.B.&M.

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

13.5 miles southwest from Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

632'

16. NO. OF ACRES IN LEASE

1243

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5925'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5728' GR

22. APPROX. DATE WORK WILL START*

February 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	To surface
7-7/8"	5-1/2"	17#	TD	As required

T.D. to be 5925' in the Green River formation.

Attached: Application for Permit to Drill
Ten Point Plan
13 Point Surface Use Plan
B.O.P. Diagram
Survey Plat
Cut and Fill Diagram
Topographic Map

P.I.P. I 2,620 psi per Mike McMican

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Mike McMican

TITLE

Petroleum Engineer

DATE

January 11, 1988

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Assistant District Manager

TITLE

ASSISTANT DISTRICT
MANAGER MINERALS

DATE

2-11-88

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

UT080-8m26

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Div OG & M

RECEIVED
FEB 19 1988

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

DIVISION OF
OIL, GAS & MINING

Company Natural Gas Corporation of California Well No. 41-5-G

Location NE/NE Sec. 5 T9S R16E Lease No. U-30096

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Wayne Svejnoha of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

2. Pressure Control Equipment

All testing procedures will be consistent with API RP 53.

Ram-type BOP's shall be tested to 2,400 psi. Annular bag-type preventers shall be tested to minimum 1,500 psi.

3. Casing Program and Auxiliary Equipment

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The Mahogany oil shale zone is anticipated at 2,993-3,109' and at 3,197-3,263'. Uinta formation fresh water is anticipated from 200-500' and 1,300-1,760'. Green River fresh water is anticipated from 2,300-2,600'. If these zones are encountered, protection via the cementing program for the 5½" production casing will occur, i.e. cement levels will protect/isolate all the aforementioned zones.

If 5½" production casing is run and cemented in place, a cement bond log shall be run with zero pressure at surface. Copies of the CBL shall be submitted to this office.

4. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

RECEIVED
FEB 19 1988

5. Notifications of Operations

DIVISION OF
OIL, GAS & MINING

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

6. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka Petroleum Engineer	(801) 781-1190
---	----------------

R. Allen McKee Petroleum Engineer	(801) 781-1368
--------------------------------------	----------------

Craig M. Hansen Assistant District Manager for Minerals	(801) 247-2318
---	----------------

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-013-31205

NAME OF COMPANY: NATURAL GAS CORP OF CALIFORNIA

WELL NAME: Federal 41-5-G

(Lot 1)
SECTION NE NE 5 TOWNSHIP 9S RANGE 16E COUNTY Duchesne

DRILLING CONTRACTOR Leon Ross

RIG #

SPUDDED: DATE 3-18-88

TIME 11:00 AM

HOW Dry Hole Digger

DRILLING WILL COMMENCE 3-24-88 - Olsen Rig #5- 2:00 AM

REPORTED BY Mike McMikan

TELEPHONE # 789-4573

DATE 3-24-88 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096 <i>Orl.</i>
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 032808
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL NE NE Section 5, S.L.B. & M.		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E, SLB&M
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

SPUD NOTICE

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was spudded with Leon Ross dryhole digger at 11:00 A.M., March 18, 1988.

3-18-88: 12-1/4" hole drilled from 0'- 175'

3-19-88: 12-1/4" hole drilled from 175'- 300'.

3-20-88: Surface casing set with dryhole digger. Ran 7 Jts of 9-5/8", 43.5#, L-80, LTC (290.96') set at 289' GL. Ran guide shoe on bottom with baffle plate at first connection and centralizers at 1st, 3rd and 5th connections. Cemented with 165 sx "G" + 2% CaCl₂ + 1/4#/sk flocele to surface. Had good circulation throughout. Returned 14 bbls of good cement to the pit.

18. I hereby certify that the foregoing is true and correct

SIGNED

Michael L. McMican
Michael L. McMican

TITLE

Petroleum Engineer

DATE

3/21/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Natural Gas Corporation of CA
Pleasant Valley Field #41-5-G
516' FEL, 632' FNL, NE/NE Section 5, T9S-R16E
Duchesne County, Utah
Proposed Total Depth: 5925'
OBJECTIVE: Green River Formation
CONTRACTOR: Olsen Rig #5
ELEVATION: 5728' GR; 5740' KB
SPUD: 3/18/88 (DHD), 3/24/88 (CORO)
DRILLING AFE AMT: \$117,690
TOTAL AFE AMOUNT: \$428,175

CONFIDENTIAL

3-11-88 Moved in equipment & started building location. Daily cost
\$1,500; CDC \$2,300

3-12-88
thru

3-14-88 Building location - pad & road nearly complete. Expect to finish
pit and wrap things up late today or in the morning. Daily cost
\$3,065; CDC \$5,365

3-15-88 Building location - Expect to finish today. Daily cost \$0; CDC
\$5,365

3-16-88 Building location - working on reserve pits; preparing to drill &
blast. Daily cost \$0; CDC \$5,365

3-17-88 Building location - working on reserve pits. Will spud surface
hole tomorrow morning. Daily cost \$1,000; CDC \$6,365

3-18-88 Building location - will spud surface hole today. Daily cost \$0;
CDC \$6,365

3-19-88 TD 175'. Leon Ross drilled 12-1/4" surface hole to 175'. SPUDDED
@ 11:00 AM 3/18/88. Still pushing out reserve pit. Daily cost
\$1,000; CDC \$7,365

3-20-88 TD 300'. Leon Ross drilled 12-1/4" surface hole to 300'. Will
run surface casing and cement in the morning. Daily cost \$0; CDC
\$7,365

3-21-88 TD 300'. Ran 7 jts of 9-5/8" 43.5# L-80 LTC casing set @ 289'GL.
RU BJ Titan, pump 20 bbls gelled water ahead. Mix & pump 165 sx
Class "G" cement plus 2% CaCl₂ + 1/4#/sk flocele, displaced w/19
bbls water, good circ. throughout. Put 14 bbls good cement to
pit. Drilled rat & mouse holes & build cellar. Road still muddy
- will move in Olsen Rig #5 tomorrow. Daily cost \$2,185; CDC
\$9,550

3-22-88 TD 300'. Lined the reserve pit and started hauling water.
Installed and tested casinghead. Olsen Rig #5 to move in today.
Daily cost \$5,325; CDC \$14,875

3-23-88 TD 300'. MI Olsen Rig #5. Filled reserve pit with water.
Rigging up today and should drill out tonight. Daily cost \$1,500;
CDC \$16,375

3-24-88 TD 430'. Day 1. Drilling. Made 130'. MW 8.3, VIS 27, PH 7.
Finished rigging up, pressure tested BOP's and spudded 7-7/8"
hole at 2:00 AM 3-24-88. Bit #1: 7-7/8", STC, type ER3926, SN KE
8205, in @ 300'. Daily cost \$8,155; CDC \$24,530

3-25-88 TD 1,680'. Day 2. Drilling. Made 1250' in 23-1/4 hrs. MW 8.3,
VIS 27. Drilling @ 54'/hr. Surveys: 1/2° @ 786', 3/4° @ 1,221'.
Daily cost \$11,730; CDC \$36,260

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instruction on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 032808	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL NE NE Sec. 5, SLB&M		8. FARM OR LEASE NAME Federal	
13. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E, SLB&M	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) REQUEST CONFIDENTIAL STATUS <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Natural Gas Corporation of California requests that all information concerning this well be placed in a confidential status.

18. I hereby certify that the foregoing is true and correct

SIGNED Mike McMican TITLE Petroleum Engineer DATE March 24, 1988
Mike McMican

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

*Natural Gas
Corporation of
California*

RECEIVED
MAR 25 1988

NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC

DIVISION OF
OIL, GAS & MINING

March 21, 1988

Bureau of Land Management
Branch of Fluid Minerals
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84078

RE: NGC #41-5-G Federal
NE NE Sec. 5, T9S, R16E
Duchesne County, Utah

Gentlemen:

Attached is form 3160-5, "Sundry Notice and Reports on Wells", reporting the spud date of the above referenced well. Please contact me in the Vernal office if you have any questions concerning this sundry.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

/ln

Attachment

*Natural Gas
Corporation of
California*

March 24, 1988

RECEIVED
MAR 25 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports of Wells", requesting that all information concerning this well be placed in a confidential status.

If you need more information, please contact our Vernal office.

Very truly yours,

Mike McMican
Mike McMican
Petroleum Engineer

KH

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE*
(Other instruction re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of CA		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 033008	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL NE NE Sec. 5, T9S, R16E		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Weekly Status Report	X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the status report for the subject well from March 11 - March 25, 1988.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg

TITLE Office Supervisor

DATE 3/25/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: NATURAL GAS CORP OF CA LEASE: U-30096
WELL NAME: FEDERAL #41-5-G API: 43-013-31205
SEC/TWP/RNG: 05 09.0 S 16.0 E CONTRACTOR: OLSEN RIG #5
COUNTY: DUCHESNE FIELD NAME: MONUMENT BUTTE

DRILLING/COMPLETION/WORKOVER:

Y APD	Y WELL SIGN	Y HOUSEKEEPING	Y BOPE
Y SAFETY	Y POLLUTION CNTL	Y SURFACE USE	Y PITS
Y OPERATIONS	— OTHER		

SHUT-IN _ / TA _:

— WELL SIGN	— HOUSEKEEPING	— EQUIPMENT *	— SAFETY
— OTHER			

ABANDONED:

— MARKER	— HOUSEKEEPING	— REHAB	— OTHER
----------	----------------	---------	---------

PRODUCTION:

— WELL SIGN	— HOUSEKEEPING	— EQUIPMENT *	— FACILITIES *
— METERING *	— POLLUTION CNTL	— PITS	— DISPOSAL
— SECURITY	— SAFETY	— OTHER	

GAS DISPOSITION:

— VENTED/FLARED	— SOLD	— LEASE USE
-----------------	--------	-------------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:
RIG/BOP

REMARKS:
RUNNING LOGS
CONFIDENTIAL

ACTION:

INSPECTOR: BRAD HILL

DATE: 03/30/88

Natural Gas
Corporation of
California

RECEIVED
MAR 29 1988

DIVISION OF
OIL, GAS & MINING

March 25, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports of Wells", Weekly Status Report for the subject well for the period of March 11 through March 25, 1988.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (letter only)

*Natural Gas
Corporation of
California*

RECEIVED
APR 04 1988

DIVISION OF
OIL, GAS & MINING

April 1, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports of Wells", Weekly Status Report for the subject well for the period of March 26 through April 1, 1988.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (letter only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096 <i>del.</i>
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 040703
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL, NE NE Sec. 5, T9S, R16E		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Weekly Status Report	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the status report for the subject well from March 26 through April 1, 1988.

CONFIDENTIAL

RECEIVED
APR 04 1988

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg
Karla Hanberg

TITLE Office Supervisor

DATE 4/1/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

3-26-88 TD 3,010'. Day 3. Drilling. Made 1330' in 22-1/4 hrs. MW 8.3, VIS 27. Drilling @ 60'/hr. Surveys: 1° @ 1690', 3/4° @ 2179', 1-1/4° @ 2643'. Mudloggers and John Wingert on @ 3000'. Daily cost \$12,055; CDC \$48,315

3-27-88 TD 3,893'. Day 4. Drilling. Made 883' in 22 hrs. MW 8.3, VIS 27, PH 11. Drilling @ 40'/hr. Surveys: 1-1/2° @ 3108', 1-1/4° @ 3605'. Daily cost \$8,885; CDC \$57,200

3-28-88 TD 4,474'. Day 5. Drilling. Made 581' in 13 hrs. MW 8.4, VIS 27, PH 10.5. Drilling @ 45'/hr. Trip for bit #2. Bit #1 out @ 4339'. Bit #2: 7-7/8", RBI, Type C3, SN AX582, in @ 4339'. Surveys: 1-3/4° @ 4313'. Daily cost \$8,055; CDC \$65,255

3-29-88 TD 5,171'. Day 6. Drilling. Made 697' in 23-3/4 hrs. MW 8.4, VIS 27, PH 10.5. Drilling @ 29.3'/hr. Daily cost \$8,180; CDC \$73,435

3-30-88 TD 5,848'. Day 7. Drilling. Made 677' in 23-1/2 hrs. MW 8.4, VIS 27, PH 11. Drilling @ 28.8'/hr. Survey: 1-3/4° @ 5244'. Daily cost \$7,140; CDC \$80,575

3-31-88 TD 6,031'. Day 8. Drilling. Made 183'. MW 8.4, VIS 27, PH 10.5. Drilled to 5925' making 77' in 2-3/4 hrs (28 fph). Bit #2 7-7/8" out @ 5929'. Bit #3: 7-7/8", RRI, Type ER3926, SN KE8205 in @ 5925'. Circ & cond, short trip 10 stds, circ & cond. POH for logs. RU Schlumberger, Run DIL/SFL & FDC/CNL/GR from 5925'-surface casing. TIH, drilled to 6031' making 106' in 3-1/2 hrs. (30.3 fph). TD'd @ 6040' @ 6:30 AM 3/31/88. Prep to run casing. Log Tops:

"A"	4214'
"B"	4458'
D.C.	4861' (+881)
"D"	5110'
"E"	5226'
"E"	5400'
"F"	5768'
PTD	5925'
Est TD	6040'

Daily cost \$11,790; CDC \$92,365

4-1-88 TD 6,040'. Day 9. Made 9'. MW 8.4, VIS 27, PH 10.5. Drilled to 6040' making 9' in 1/2 hr. (18 fph). Circ & cond. Lay down drill pipe and drill collars. Run 5-1/2" casing (6023') landed at 6038'KB. RU B-J Titan, mix and pump 200 sx Class "G" + 3% A-2 + 1/4#/sk flocele followed by 402 sx Class "G" + 10% A10, displaced w/3% KCL. CIP 9:35 PM. Set slips and cutoff casing. Rig Released @ 12:00 am 4-1-88. FINAL REPORT. Daily cost \$10,150; CDC \$102,515

NGC ENERGY COMPANY
85 South 200 East
Vernal, Utah 84078
(801) 789-4573

RECEIVED
APR 04 1988

DAILY OPERATIONS REPORT

DIVISION OF
OIL, GAS & MINING

Natural Gas Corporation of CA
Pleasant Valley Federal #41-5-G
516' FEL, 632' FNL, NE/NE Section 5, T9S-R16E
Duchesne County, Utah
Proposed Total Depth: 5925'
OBJECTIVE: Green River Formation
CONTRACTOR: Olsen Rig #5
ELEVATION: 5728' GR; 5740' KB
SPUD: 3/18/88 (DHD), 3/24/88 (CORO)
DRILLING AFE AMT: \$117,690
TOTAL AFE AMOUNT: \$428,175

3-11-88 Moved in equipment & started building location. Daily cost \$1,500; CDC \$2,300

3-12-88 thru

3-14-88 Building location - pad & road nearly complete. Expect to finish pit and wrap things up late today or in the morning. Daily cost \$3,065; CDC \$5,365

3-15-88 Building location - Expect to finish today. Daily cost \$0; CDC \$5,365

3-16-88 Building location - working on reserve pits; preparing to drill & blast. Daily cost \$0; CDC \$5,365

3-17-88 Building location - working on reserve pits. Will spud surface hole tomorrow morning. Daily cost \$1,000; CDC \$6,365

3-18-88 Building location - will spud surface hole today. Daily cost \$0; CDC \$6,365

3-19-88 TD 175'. Leon Ross drilled 12-1/4" surface hole to 175'. SPUDED @ 11:00 AM 3/18/88. Still pushing out reserve pit. Daily cost \$1,000; CDC \$7,365

3-20-88 TD 300'. Leon Ross drilled 12-1/4" surface hole to 300'. Will run surface casing and cement in the morning. Daily cost \$0; CDC \$7,365

3-21-88 TD 300'. Ran 7 jts of 9-5/8" 43.5# L-80 LTC casing set @ 289'GL. RU BJ Titan, pump 20 bbls gelled water ahead. Mix & pump 165 sx Class "G" cement plus 2% CaCl₂ + 1/4#/sk flocele, displaced w/19 bbls water, good circ. throughout. Put 14 bbls good cement to pit. Drilled rat & mouse holes & build cellar. Road still muddy - will move in Olsen Rig #5 tomorrow. Daily cost \$2,185; CDC \$9,550

3-22-88 TD 300'. Lined the reserve pit and started hauling water. Installed and tested casinghead. Olsen Rig #5 to move in today. Daily cost \$5,325; CDC \$14,875

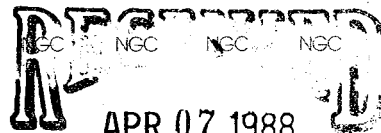
3-23-88 TD 300'. MI Olsen Rig #5. Filled reserve pit with water. Rigging up today and should drill out tonight. Daily cost \$1,500; CDC \$16,375

3-24-88 TD 430'. Day 1. Drilling. Made 130'. MW 8.3, VIS 27, PH 7. Finished rigging up, pressure tested BOP's and spudded 7-7/8" hole at 2:00 AM 3-24-88. Bit #1: 7-7/8", STC, type ER3926, SN KE 8205, in @ 300'. Daily cost \$8,155; CDC \$24,530

3-25-88 TD 1,680'. Day 2. Drilling. Made 1250' in 23-1/4 hrs. MW 8.3, VIS 27. Drilling @ 54'/hr. Surveys: 1/2° @ 786', 3/4° @ 1,221'. Daily cost \$11,730; CDC \$36,260

*Natural Gas
Corporation of
California*

NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC



April 5, 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form OGC-8-X, "Report of Water Encountered During Drilling",
for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (letter only)

*Natural Gas
Corporation of
California*

April 15, 1988

RECEIVED
APR 18 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Weekly Status Report for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (letter only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instruction on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

41-5-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

516' FEL, 632' FNL, NE/NE

14. PERMIT NO.

43-013-31205

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5728' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

Weekly Status Report

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the status report for the subject well from April 13 through April 15, 1988.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg

TITLE Office Supervisor

DATE

4/15/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Natural Gas Corporation of CA
Pleasant Valley Federal #41-5-G
516' FEL, 632' FNL, NE/NE Section 5, T9S-R16E
Duchesne County, Utah
Proposed Total Depth: 5925'
OBJECTIVE: Green River Formation
CONTRACTOR: Western Oil Well Service Rig #12
ELEVATION: 5728' GR; 5740' KB
SPUD: 3/18/88 (DHD), 3/24/88 (CORO)
DRILLING AFE AMT: \$117,690
COMPLETION AFE AMT: \$310,485
TOTAL AFE AMOUNT: \$428,175

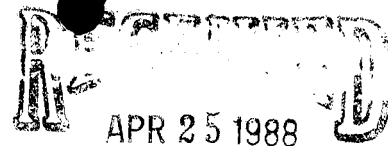
CONFIDENTIAL

- 4-13-88 Day 1. MIRU Western Oil Well Service Rig #12. NU BOP. RU floor & tongs. RU pump & lines. Unload 2-7/8" tubing on pipe racks (231 jts, 6735'). Pick up 4-1/2" mill, 5-1/2" csg scraper & x-over. RIH w/2-7/8" tubing, tagged @ 5970'. RU & displace well w/2% KCL, Smith Energy clay stabilizer & bacteriacide. POOH w/25 stands of 2-7/8" tubing and SION. Daily cost \$68,744; CCC \$68,744
- 4-14-88 Day 2. Finish POOH w/2-7/8" tubing, casing scraper & mill. RU Welex and run Cement Bond log from PBTD @ 5960' to 1430' (est cement top @ 1630') pressure test casing to 5000# surface pressure. Casing tested ok. Run in hole w/4" casing guns & perforate intervals @ 5813'-26' & 5852'-59' w/2 SPF @ 120° phasing. RD Welex. PU Howco RTTS PKR & BV RBP and RIH w/2-7/8" tubing. Set & test RBP @ 5898'KB. Move up & set RTTS @ 5843'KB. Broke down interval @ 5852'-59' w/2% KCL water. Zone broke @ 2800#, avg 2 BPM @ 2100#, ISIP 1200#, 5 min 650#, 10 min 575#. Pumped 3 bbls into perfs. Broke down interval @ 5813'-26' w/2% KCL. Zone broke @ 2700#, avg 3 BPM @ 2000#, ISIP 1400#, 5 min 500#, 10 min 450#. Release RTTS PKR. Move up and reset @ 5765'. SDON. Daily cost \$12,416; CCC \$81,160
- 4-15-88 Day 3. Check pressures: 0# on tbgs & csg. RU & swab well. Fluid level @ surface. Swabbed tubing dry in 5 runs and recovered 35 bbls KCL water & approximately 1 bbl oil. Made 2 more hourly swab runs w/ no fluid entry. Release Howco RTTS PKR & POOH w/tubing. RU Smith Energy Co and frac intervals @ 5813'-59' as follows:

Rate	Casing Press.	Volume Bbls	Event	
0	0	0	Start Pad	ISIP 1870#
35.0	2330	135	Pad @ Perfs	5 min 1730#
"	2340	238	Start 2# 20/40	10 min 1670#
"	2130	354	Start 4# 20/40	15 min 1630#
"	2020	373	2# @ Perfs	
"	1650	466	Start 6# 20/40	Avg Rate 35 BPM
"	1590	489	4# @ Perfs	Avg Press 2000#
"	1460	587	Start 8# 20/40	Max press 3250#
"	1460	601	6# @ Perfs	
"	2000	683	Start 10# 20/40	
"	2460	731	Start Flush	
"	2860	722	8# @ Perfs	
"	3050	818	10# @ Perfs	
"	2910	866	End Treatment	

78,000# 20-40 sand Fluid 866 bbls. Daily cost \$20,701; CCC \$101,861

*Natural Gas
Corporation of
California*



DIVISION OF
OIL, GAS & MINING

April 22, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Weekly Status Report for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (letter only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

41-5-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

516' FEL, 632' FNL, NE NE

14. PERMIT NO.

43-013-31205

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5728' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) Weekly Status Report ☒

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Attached is the weekly status report for the subject well from April 18 through April 22, 1988.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg
Karla Hanberg

TITLE Office Supervisor

DATE April 22, 1988

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Federal #41-5-G cont'd ...

ISIP	2540#	Avg Rate	35.0
5 min	1770#	Avg Press	2100#
10 min	1650#	Max Press	4080#
15 min	1570#		

Used 590 bbls gel & KCL; used 51,400# 20/40 sand. SION. Today's Operation: Flow Back after frac. Daily cost \$25,670; CCC \$184,958

4-22-88 Day 10. SICP 875#; Flow well to pit as follows:

<u>TIME</u>	<u>CHOKE</u>	<u>PRESS</u>	<u>BBLS</u>	<u>REMARKS</u>
7:00	8/64	875	0	Start Flow back
7:30	12/64	300	7	KCL
8:00	12/64	200	9	KCL
9:00	12/64	75	14	Open on 2"
10:00	2"	0	7	TIH w/tbg.

Well blew down in 2-1/2 hrs. PU Ret tool & TIH w/2-7/8" tbg. Tagged sand @ 4420'. RU & clean out sand to top of RBP @ 4450'. Release RBP & POOH w/tbg & plug. PU notched collar, 1 jt 2-7/8" tbg, SN, 46 jts of 2-7/8" tbg, Baker tbg anchor & TIH w/tbg. Tagged sand fill @ 5940'. Move up hole w/tbg. Strip off BOP. Set tbg anchor @ 4370' w/12,000# tension pulled. Notched collar @ 5859', SN @ 5828'. NU KTH type tbg head adapter & SION. Daily cost \$3,230; CCC \$188,188

4-19-88 Day 7. Check pressures: 350# on tbg & 150# on csg. Blow down and circ well w/2% KCL water. RIH w/tubing. Tagged sand 6' above RBP. Circ sand off RBP and release. Move up hole and reset RBP @ 4950'. Pressure test to 1500#. POOH w/ 2-7/8" tubing. Rig up Welex and perforate intervals @ 4886'- 4904' & 4906'- 4911' w/4" casing guns; 4 SPF @ 120° phasing; total of 88 holes. RU Smith Energy Company and Frac well as follows:

Rate	Casing Press.	Volume Bbls	Event
0	0	0	Start Pad
34.5	1840	76	Broke @ 2900# ISIP 1150#
35.0	1800	112	Pad @ Perfs
35.1	2070	429	Start 2# 20/40
35.0	1830	541	2# @ Perfs
35.0	1830	558	Start 4# 20/40
35.0	1670	670	Start 6# 20/40 4# @ Perfs
35.1	1580	682	6# @ Perfs
35.0	1590	790	Start 8# 20/40
35.0	1700	902	8# @ Perfs
35.0	1730	912	Start 10# 20/40
35.0	1780	939	Start Flush
35.0	2450	1051	End of Treatment
ISIP	2000#		Avg Rate 35.0 BPM
5 min	1900#		Avg Press 1900#
10 min	1850#		Max Press 2450#
15 min	1820#		

1051 bbls used; 85,480# of 20/40 sand was used. Daily cost \$27,022; CCC \$157,320

4-20-88 Day 8. SICP 400#. Started flowing well to pit on positive choke and well blew dead immediately. Pick up ret tool for RBP & 5-1/2" RTTS PKR. TIH w/2-7/8" tubing. Tagged sand @ 4751'. RU & circ sand out to 4920'. Move up and set RTTS PKR @ 4841'. RU and swab well; well fluid level @ surface. Made 7 swab runs when swab became stuck in hole @ 2000'. Released RTTS PKR & were able to pull out w/swab equipment. Reset PKR & resumed swabbing. Made 24 more runs and recovered 114 bbls treatment fluid & 6 bbls oil. Started getting the first trace of oil on 16th run and had a 20% show of oil on 24th run. Left fluid level @ 1900'. RD swab equipment and SION. Have 937 bbls left to recover. Today's Operation: Perforate & frac intervals 4414'- 29'. Daily cost \$1,968; CCC \$159,288

4-21-88 Day 9. SITP 350#; SICP 0# (PKR). Blow well down. Well trying to flow. Pump 10 bbls 2% KCL water down tubing. Release RTTS PKR & RIH w/tubing. Tagged sand @ 4920'. Circ sand off RBP @ 4950'. Release RBP & move up and reset @ 4450'. Test to 1500#. POOH w/tubing & RTTS PKR. RU Welex and perforate intervals @ 4415' - 20' & 4421'- 29' w/4" casing guns, 4 SPF, 120° phasing. RU Smith Energy Co. and frac as follows:

Rate (BPM)	Press (Csg)	Volume (Bbls)	Event
0	0	0	Start Pad
35.0	2380	62	Estab. Inj rate ISIP 1830# Zone broke @ 3200# 6 BPM
35.1	2310	102	Pad @ Perfs
35.0	2370	178	Start 2# 20/40
35.1	2200	251	Start 4# 20/40
35.2	2090	280	2# @ Perfs
35.1	2000	324	Start 6# 20/40
35.0	1940	353	4# @ Perfs
35.0	1900	396	Start 8# 20/40
35.0	1870	426	6# @ Perfs
35.0	1890	461	Start 10# 20/40
35.0	1940	489	Start Flush
35.0	2000	498	8# @ Perfs
35.0	3030	563	10# @ Perfs
15.7	3980	590	End of treatment (Very close to Screen out)

4-16-88 Day 4. 14 hr. SICP - 1170#. Flow well to pit w/positive choke nipple as follows:

Time	Choke	Csg Press	Est Rate	Est Volume	Comments
7:00	8/64	1170#	17 BPM		KCL Water
8:00	8/64	1025#	17 BPM	17 bbls	"
9:00	8/64	925#	17 BPM	34 bbls	"
10:00	8/64	800#	17 BPM	51 bbls	"
11:00	12/64	600#	28 BPM	79 bbls	Slick fluid no SD
12:00	14/64	400#	32 BPM	111 bbls	"
1:00	14/64	125#	32 BPM	143 bbls	"
1:30	14/64	75#	32 BPM	158 bbls	Open on 2" choke
1:30 - 3:00 bleed down and TIH w/tubing & ret tool.					185 bbls
2-7/8" tubing @ 5763'.					

RU and swab well. Fluid level @ surface. Made 16 swab runs. Left fluid level @ 700'. Recovered 86 bbls frac fluid & est 10 bbls oil. Got first trace of oil on 5th swab run (3%) & on 16th run had 30% oil 70% frac fluid. Fluid was very gas cut on last 10 runs made. RD swab equipment & SION. 271 bbls recovered from frac. 595 left to recover. Daily cost \$2,686; CCC \$104,547

4-17-88 Day 5. Check pressures: 350# on tbg & 150# on csg. Blow down well & kill well w/2% KCL wtr. Well flowed & circ est 15 bbls oil. TIH w/tubing & tagged small sand bridge 50' above RBP. RU & circ sand off RBP. Release RBP, move up hole & reset @ 5612'. POOH w/tubing. RU Welox and perforate intervals @ 5490' - 98' & 5500' - 5512' w/4" casing guns, 4 SPF @ 120° phasing; 80 holes total. RU Smith Energy & treat as follows:

Rate	Casing Press.	Volume Bbls	Event
0	0	0	Start Pad
35.0	2520#	70	Est inj rate ISIP 1870# Broke @ 4020
35.1	2460#	124	Pad @ Perfs
35.0	2530#	310	Start 2# 20/40 ISIP 2300#
35.2	2320#	426	Start 4# 20/40 5 min 1980#
35.0	2200#	434	2# @ perfs 10 min 1950#
35.0	2080#	538	Start 6# 20/40 15 min 1920#
34.9	2050#	550	4# 20/40 @ perfs
34.9	1970#	658	Start 8# 20/40 Avg rate 35 BPM
35.0	1960#	662	6# @ Perfs Avg press 2200#
35.0	2020#	782	8# @ Perfs Max press 3220#
34.9	2040#	834	Start Flush
35.0	3220#	958	End Treatment

Used 92,500# 20/40 sand. Daily cost \$23,074; CCC \$127,621

4-18-88 Day 6. 17 hr. SICP 1425#. Flow well to pit on positive choke as follows:

Time	Choke	Csg Press	Est Rate	Est Volume	Comments
7:00	8/64	1425#	20 bbl/hr	0	Start flowback
7:30	8/64	1225#	"	10	KCL water
8:00	8/64	1100#	"	20	"
9:00	12/64	880#	30 bbl/hr	40	"
10:00	14/64	375#	35 bbl/hr	70	"
11:00	14/64	75#	30 bbl/hr	105	Open on 2"
11:30 - 12:30 TIH w/ret tool for RBP & 2-7/8" tubing, land @ 5443'. RU & swab (flowed 30 bbls while tripping). Made 9 swab runs. Recovered 45 bbls fluid w/trace of oil. Swabbing becoming difficult because of sand laden slick fluid. Circ well w/rig pump for 30 min and resume swabbing. Fluid level @ surface. Made 18 more runs. Recovered 106 bbls frac fluid & 15 bbls oil (est). Looks to be 20% oil on last run made. Left fluid level @ 2300'. Total frac fluid returned - 241 bbls. 958 bbls pumped during frac. 717 bbls left to recover. SION. Daily cost \$2,677; CCC \$130,298					

NGC ENERGY COMPANY
85 South 200 East
Vernal, Utah 84078
(801) 789-4573

DAILY OPERATIONS REPORT

Natural Gas Corporation of CA
Pleasant Valley Federal #41-5-G
516' FEL, 632' FNL, NE/NE Section 5, T9S-R16E
Duchesne County, Utah
Proposed Total Depth: 5925'
OBJECTIVE: Green River Formation
CONTRACTOR: Western Oil Well Service Rig #12
ELEVATION: 5728' GR; 5740' KB
SPUD: 3/18/88 (DHD), 3/24/88 (CORO)
DRILLING AFE AMT: \$117,690
COMPLETION AFE AMT: \$310,485
TOTAL AFE AMOUNT: \$428,175

- 4-13-88 Day 1. MIRU Western Oil Well Service Rig #12. NU BOP. RU floor & tongs. RU pump & lines. Unload 2-7/8" tubing on pipe racks (231 jts, 6735'). Pick up 4-1/2" mill, 5-1/2" csg scraper & x-over. RIH w/2-7/8" tubing, tagged @ 5970'. RU & displace well w/2% KCL, Smith Energy clay stabilizer & bacteriacide. POOH w/25 stands of 2-7/8" tubing and SION. Daily cost \$68,744; CCC \$68,744
- 4-14-88 Day 2. Finish POOH w/2-7/8" tubing, casing scraper & mill. RU Welex and run Cement Bond log from PBTD @ 5960' to 1430' (est cement top @ 1630') pressure test casing to 5000# surface pressure. Casing tested ok. Run in hole w/4" casing guns & perforate intervals @ 5813'- 26' & 5852'- 59' w/2 SPF @ 120° phasing. RD Welex. PU Howco RTTS PKR & BV RBP and RIH w/2-7/8" tubing. Set & test RBP @ 5898'KB. Move up & set RTTS @ 5843'KB. Broke down interval @ 5852'- 59' w/2% KCL water. Zone broke @ 2800#, avg 2 BPM @ 2100#, ISIP 1200#, 5 min 650#, 10 min 575#. Pumped 3 bbls into perfs. Broke down interval @ 5813'-26' w/2% KCL. Zone broke @ 2700#, avg 3 BPM @ 2000#, ISIP 1400#, 5 min 500#, 10 min 450#. Release RTTS PKR. Move up and reset @ 5765'. SDON. Daily cost \$12,416; CCC \$81,160
- 4-15-88 Day 3. Check pressures: 0# on tbg & csg. RU & swab well. Fluid level @ surface. Swabbed tubing dry in 5 runs and recovered 35 bbls KCL water & approximately 1 bbl oil. Made 2 more hourly swab runs w/ no fluid entry. Release Howco RTTS PKR & POOH w/tubing. RU Smith Energy Co and frac intervals @ 5813'- 59' as follows:

Rate	Casing Press.	Volume Bbls	Event	
0	0	0	Start Pad	ISIP 1870#
35.0	2330	135	Pad @ Perfs	5 min 1730#
"	2340	238	Start 2# 20/40	10 min 1670#
"	2130	354	Start 4# 20/40	15 min 1630#
"	2020	373	2# @ Perfs	
"	1650	466	Start 6# 20/40	Avg Rate 35 BPM
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"	1460	587	Start 8# 20/40	Max press 3250#
"	1460	601	6# @ Perfs	
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"	2460	731	Start Flush	
"	2860	722	8# @ Perfs	
"	3050	818	10# @ Perfs	
"	2910	866	End Treatment	
78,000#	20-40 sand	Fluid 866 bbls.	Daily cost \$20,701; CCC \$101,861	

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: NATURAL GAS CORP OF CA LEASE: U-30096
WELL NAME: FEDERAL #41-5-G API: 43-013-31205
SEC/TWP/RNG: 05 09.0 S 16.0 E CONTRACTOR:
COUNTY: DUCHESNE FIELD NAME: MONUMENT BUTTE

DRILLING/COMPLETION/WORKOVER:

Y APD	Y WELL SIGN	Y HOUSEKEEPING	Y BOPE
Y SAFETY	Y POLLUTION CNTL	Y SURFACE USE	Y PITS
Y OPERATIONS	— OTHER		

SHUT-IN _ / TA _:

— WELL SIGN	— HOUSEKEEPING	— EQUIPMENT *	— SAFETY
— OTHER			

ABANDONED:

— MARKER	— HOUSEKEEPING	— REHAB	— OTHER
----------	----------------	---------	---------

PRODUCTION:

— WELL SIGN	— HOUSEKEEPING	— EQUIPMENT *	— FACILITIES *
— METERING *	— POLLUTION CNTL	— PITS	— DISPOSAL
— SECURITY	— SAFETY	— OTHER	

GAS DISPOSITION:

— VENTED/FLARED	— SOLD	— LEASE USE
-----------------	--------	-------------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:
LOC AND OPERATIONS

REMARKS:

OK
RECENTLY DID FRAC JOB WAITING TO EVALUATE RESULTS

ACTION:

INSPECTOR: BRAD HILL

DATE: 04/19/88

Natural Gas
Corporation of
California

RECEIVED
MAY 7 1988

DIVISION OF
OIL, GAS & MINING

April 29, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #41-5-G Federal
NE/NE Sec. 5, T9S, R16E.
Duchesne County, Utah

Gentlemen:

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Weekly Status Report for the subject well.

If you need more information, please contact the Vernal office.

Sincerely,

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

41-5-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

516' FEL, 632' FNL, NE NE

14. PERMIT NO.

43-013-31205

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5728' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

Weekly Status Report

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the weekly status report for the subject well from April 23 through April 29, 1988.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg

TITLE Office Supervisor

DATE 4/29/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

4-23-88
thru
4-25-88

Day 11. Twelve hour SITP 0#, SICP 0#. RU and swab well. Fluid level @ surface. Made 50 swab runs. Recovered 202 bbls frac water and 86 bbls oil. Left fluid level @ 2000'. Oil cut was 70% on last 2 swab runs with trace of gas flow. Today's Operation: Shut down operations for weekend. Daily cost \$1,940; CCC \$190,128

4-26-88

Day 12. SITP 0#, SICP 225#. RU & try to swab well. Fluid @ 700'. Unable to get even the sinker bars downhole because of heavy crude. RU hot oil truck & pump 20 bbls of 2% KCL water @ 280°F down tubing. RU with swab equipment. Fluid level @ surface. Made 9 swab runs and recovered 14 bbls of oil & 34 bbls of water. Left fluid level @ 1800'. RIH w/sinker bars and tagged sand @ 5951'. Flushed tubing w/30 bbls of 2% KCL water. PU Axelson rod pump & TIH w/rod string. Space rod pump & pressure check to 1100# - held ok. Bleed off pressure and SION. Daily cost \$2,241; CCC \$192,369

4-27-88

Day 13. Rig down & move out Western Rig #12. Today's Operation: Prep to start moving surface equipment. Corrected Cost: CCC \$179,861

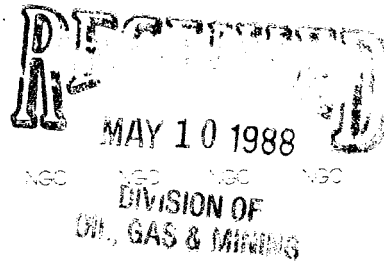
4-28-88

Day 14. Prep to install production equipment. CCC \$179,861

4-29-88

Day 15. Build treater, line heater & tank pads. Set cement pad for pumping unit. MI treater & piping. Heat & transfer oil from frac tank. Daily cost \$2,333; CCC \$182,194

*Natural Gas
Corporation of
California*



May 6, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Weekly Status Report for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (Rm 1442)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells in different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 516' FEL, 632' FNL, NE NE		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Weekly Status Report <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the Weekly Status Report for the subject well from April 30 through May 6, 1988.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Karla Hanberg

TITLE Office Supervisor

DATE 5/6/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Natural Gas Corporation of CA
Pleasant Valley Federal #41-5-G
516' FEL, 632' FNL, NE/NE Section 5, T9S-R16E
Duchesne County, Utah
Proposed Total Depth: 5925'
OBJECTIVE: Green River Formation
CONTRACTOR: Olsen Rig #5
ELEVATION: 5728' GR; 5740' KB
SPUD: 3/18/88 (DHD), 3/24/88 (CORO)
DRILLING AFE AMT: \$117,690
TOTAL AFE AMOUNT: \$428,175

- 4-30-88 Day 16. Set two 400 bbl production tanks and install walkway & stairs. Set 228 pumping unit on pad. Set heater treater & line heater. Install burner tube in one production tank. SDFN. Daily cost \$5,643; CCC \$187,837
- 5-1-88 Day 17. Install 3" flowline from wellhead to tanks and through heater treater. Have 1/3 of traceline and gas supply line completed. Shut down until Monday. Daily cost \$50,856; CCC \$238,693
- 5-3-88 Day 18. Have 75% of the trace lines and 90% of the gas supply line completed. Line heater is all plumbed. Installed burner tube in other tank. Lack water leg & relief line on treater. Today's Operation: Finish plumbing remaining lines. Daily cost \$1,659; CCC \$240,352
- 5-4-88 Day 19. Finished plumbing all lines. Today's Operation: Finish vent line & stand, change sheave & stroke length on unit, fill trace lines w/ glycol & prep to start up. Daily cost \$1,449; CCC \$241,801
- 5-5-88 Day 20. Change sheave on engine to 12" (has 24" on gearbox). Change stroke length to 86". Install ventline & smokestack on production tank. Put well on production @ 2:00 PM. Daily cost \$1,102; CCC \$242,903
- 5-6-88 Day 20. Well on production. Built beam around prod tanks, install landing off stairway, clean up location & return material to PV yard. FINAL REPORT. Daily cost \$1,296; CCC \$244,199

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL, NE NE		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____
(Other) Initial Production <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator reports the subject well was put on production May 5, 1988 at 2 p.m. Initial production for the first 24 hrs. was 30 bbls. oil, 33 bbls. water. Future reports will be on Form 3160-6, Monthly Report of Operations.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED Karla Hanberg TITLE Office Supervisor DATE May 10, 1988
Karla Hanberg

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Natural Gas
Corporation of
California

RECEIVED
MAY 11 1988

DIVISION OF
OIL, GAS & MINING

May 10, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Report of Initial Production for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

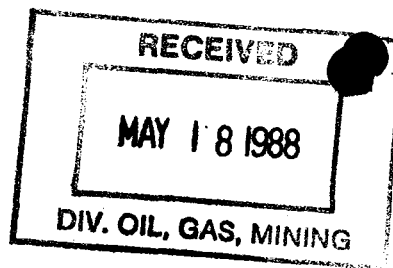
Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (Rm 1442)
M. Clarke (Rm 1421)
I. Chai (Rm 1451)

Natural Gas
Corporation of
California



May 16, 1988

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-4, "Well Completion or Recompletion Report and Log", for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp
I. Chai
M. Clarke

① TAS
② RWM
③ ASJ
④ WELL FILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>										
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>								
2. NAME OF OPERATOR Natural Gas Corporation of California															
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 516' FEL, 632' FNL At top prod. interval reported below At total depth															
14. PERMIT NO. 43-013-31205				DATE ISSUED 2-4-88											
15. DATE SPUDDED 3/24/88		16. DATE T.D. REACHED 4/1/88		17. DATE COMPL. (Ready to prod.) 4/27/88		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5727' GR		19. ELEV. CASINGHEAD 5727'							
20. TOTAL DEPTH, MD & TVD 6040'		21. PLUG BACK T.D., MD & TVD 5977'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY → XX		ROTARY TOOLS CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Green River: 'A' Sand 4415-4429; DC ₂ 4886-4911; E ₂ 5490-5512 'F' Sand 5813-5859								25. WAS DIRECTIONAL SURVEY MADE 1-3/4° @ 5244'							
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/SFL/FDC/CNL/CBL								27. WAS WELL CORED No							
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
9-5/8"		43.5#		304'		12-1/4"		165 sx 'G' + 2% CaCl ₂							
5-1/2"		17#/20#/23#		6038'		7-7/8"		602 sx							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-7/8"		5860'		4371'	
														Anchor	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
4415-20, 4421-29 (4 SPF, .45") 4886-98, 4899-904, 4906-11 (4 SPF, .45") 5490-98, 5500-12 (4 SPF, .45") 5813-26, 5852-59 (2 SPF, .45")										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										4415-4429		17,800 gal., 51,400# 20/40			
										4886-4911		40,000 gal., 90,800# 20/40			
										5490-5512		36,250 gal., 90,600# 20/40			
										5813-5859		27,300 gal., 78,000# 20/40			
33. PRODUCTION															
DATE FIRST PRODUCTION 5/5/88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 2-1/2" x 1-3/4" x 16' RHAC						WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 5/5/88		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD →		OIL—BBL. 30		GAS—MCF. 0		WATER—BBL. 33		GAS-OIL RATIO 0	
FLOW. TUBING PRESS. 40		CASING PRESSURE 0		CALCULATED 24-HOUR RATE →		OIL—BBL. 30		GAS—MCF. 0		WATER—BBL. 33		OIL GRAVITY-API. (CORR.) 34° API			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel												TEST WITNESSED BY Randy Miller			
35. LIST OF ATTACHMENTS															

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mike McMillan

TITLE Petroleum Engineer

DATE 5/13/88

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No water flows

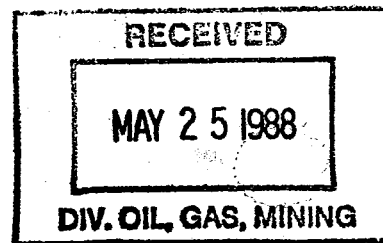
38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Uinta Green River Oil Shale Facies Douglas Creek TD (Basil Green River)	Surface 1738 2840 4861 6040	

Natural Gas
Corporation of
California

May 23, 1988

Check this



Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Report of Undesirable Event
#41-5-G Federal
NE/NE Section 5, T9S, R16E
Duchesne Co., Utah

APT 43-013-31205

Gentlemen:

Attached, as per NTL 3A, is a completed report describing an oil spill which occurred on our lease U-30096 May 23, 1988. The oil was contained within the berm around the tank battery. All of the oil was recovered during the clean-up process.

Please contact me in the Vernal office if any additional information is needed.

Sincerely,

Mike McMican

Michael L. McMican
Petroleum Engineer

MLM/kh

Attachments

Natural Gas
Corporation of
California

Well file

RECEIVED
JUN 13 1988

June 9, 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC 41-5-G Federal
NE/NE Sec. 5, T9S, R16E
Duchesne County, UT

Gentlemen,

Attached is Form 3160-5, "Sundry Notices and Reports on Wells", Request to Vent Gas, for the subject well.

If you need more information, please contact our Vernal office.

Sincerely,

Mike McMican

Michael L. McMican
Petroleum Engineer

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

Orl.

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number NGC #41-5-G Federal

43-013-31205

Operator Natural Gas Corporation of CA Address 85 South 200 East, Vernal, UT 84078

Contractor Leon Ross Drilling & Const. Address Hancock Cove, Utah

Location NE 1/4 NE 1/4 Sec. 5 T. 9S R. 16E County Duchesne

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	175'	- 250'	trace	fresh
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved,
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL NE/NE		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31205		9. WELL NO. 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>

(Other) Venting of Natural Gas ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>

(Other) _____
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator requests an extension of 90 days for venting of natural gas. The well is presently venting approximately 400 MCFD (about 5 MCF/BBL). Our plans are to connect the well to Amsel's gathering system (now operated by Triangle Control Systems) which we anticipate will be in operation soon as they are in negotiations to move their gas.

RECEIVED
JUN 13 1988

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Mike McMican
Michael L. McMican

TITLE Petroleum Engineer

DATE 6-9-88

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action
is required before commencing
operations.

TITLE _____

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6-23-88

BY: John R. Bays

*See Instructions on Reverse Side



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 23, 1988

Mr. Michael L. McMican
Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Dear Mr. McMican:

Re: Request to Vent or Flare Gas from NGC Federal Well No. 41-5-G

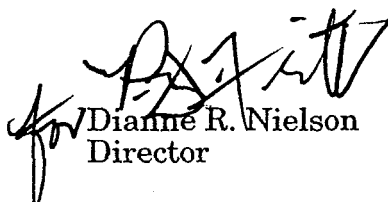
The Division of Oil, Gas and Mining grants approval of your sundry notice dated June 9, 1988, to vent or flare associated gas from the referenced well located in Section 5, Township 9 South, Range 16 East, Duchesne County, Utah. The approval is limited to the conditions stated in the notice; specifically, that the associated gas may be flared in excess of that allowed by Rule R615-3-22 of the Oil and Gas Conservation General Rules for a period not to exceed 90 days from June 23, 1988.

Please note that this approval represents a variance to Rule R615-3-22. The Division will inform the Board of Oil, Gas and Mining of the approval during the informal briefing session of their next scheduled meeting on July 28, 1988. No Board action will be required at this time; however, any additional request for venting or flaring beyond that stated in your sundry notice will require the approval of the Board after proper notice and hearing.

It is also necessary to comply with federal regulations and the federal lease requirements concerning oil and gas operations. Therefore, you are advised to contact the appropriate federal agency and ensure that they do not object to the proposed gas venting or flaring.

Please contact Mr. John Baza of this office if you have any questions concerning this approval.

Best regards,


Dianne R. Nielson
Director

JRB

cc: U.S. Bureau of Land Management - Vernal
R. J. Firth
Well file

0458T-58

an equal opportunity employer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

AUG 15 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Natural Gas Corporation of California	8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078	9. WELL NO. 41-5-G
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 516' FEL, 632' FNL NE NE	10. FIELD AND POOL, OR WILDCAT Monument Butte
14. PERMIT NO. 43-013-31205	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5727' GR	12. COUNTY OR PARISH Duchesne
	13. STATE Utah

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) NTL-2B

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to dispose of produced water into an underground tank. The tank will be steel with a capacity of approximately 150 bbls. Water from the tank will be taken by truck and disposed of at Grant Hansen's disposal pit north of Bridgeland.

Operator also proposes construction of an emergency surface pit to be 20' square at surface with 1:1 slopes, 5' deep and 10' square at bottom. This pit will be fenced and bermed and only used in emergency situations. Any liquids discharged to the pit will be removed within 24 hrs.

CONFIDENTIAL

Copies: Div. OG&M; Chorney; WGPaulsell; SFurtado; BHill; LJorgensen

18. I hereby certify that the foregoing is true and correct

SIGNED Mike M. McMan

TITLE Petroleum Engineer

DATE August 12, 1988

Michael L. McMan

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this
Action is Necessary

*See Instructions on Reverse Side

Accepted by the State
of Utah
Oil, Gas and Mining

Date: 8-16-88

By: [Signature]

CONFIDENTIAL

January 17, 1989

RECEIVED
JAN 19 1989

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

Ralph E. Davis Associates
3555 Timmons Lane, Suite 1517
Houston, TX 77027
Attention: James A. Simmons

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910
Attention: Keith Ebner

Re: NGC #41-5-G Federal
NE NE Section 5, T9S, R16E
Duchesne County, Utah

Gentlemen:

Attached is a final copy of the "Geological Wellsite Report" for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: Vernal Well File
Paul Schnurr/Well File



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 3 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• NATURAL GAS CORP OF CA
85 SOUTH 200 EAST
VERNAL UT 84078
ATTN: PROD. ACCOUNTING

Utah Account No. N0700

Report Period (Month/Year) 5 / 89

Amended Report ☐

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
NGC 23-23	FEDERAL							
4304731169	06160 09S 17E 23			GRRV				
FEDERAL 32-29								
4304731175	06170 09S 18E 29			GRRV				
NGC 24-9H	FEDERAL							
4301330682	06175 09S 17E 9			GRRV				
FEDERAL 13-9H								
4301330656	06185 09S 17E 9			GRRV				
PTS 33-36	STATE							
4301330486	06190 11S 14E 36			WSTC				
FEDERAL 31-20								
4304731433	06196 08S 22E 20			GRRV				
FEDERAL 12-9-H								
4301330983	09830 09S 17E 9			GRRV				
FEDERAL NGC #22-9-H								
4301331049	10065 09S 17E 9			GRRV				
FEDERAL #41-5-G								
4301331205	10859 09S 16E 5			GRRV	Conf.			
FEDERAL 23-9-H								
4301331206	10868 09S 17E 9			GRRV				
FEDERAL 24-33-B								
4301331214	10913 08S 16E 33			GRRV	Conf.			
TOTAL								

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____

Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK

NGC
Energy
Company

2001 Bryan Tower
Suite 953
Dallas, Texas 75201
(214) 742-2396

RECEIVED
JUN 21 1989

June 12, 1989

Dear Operator/Vendor:

NGC Energy Company has changed its' name to PG&E Resources Company and has relocated its' corporate headquarters from Concord, California to Dallas, Texas. All invoices and correspondence currently mailed to Concord, California should now be addressed to:

PG&E RESOURCES COMPANY
2001 Bryan Tower, Suite 953
Dallas, TX 75201

PG&E Resources Company's Rocky Mountain Regional office will continue to operate in Vernal, Utah. Please mail all invoices and correspondence pertaining to the Rocky Mountain region to:

PG&E RESOURCES COMPANY
85 South 200 East
Vernal, UT 84078

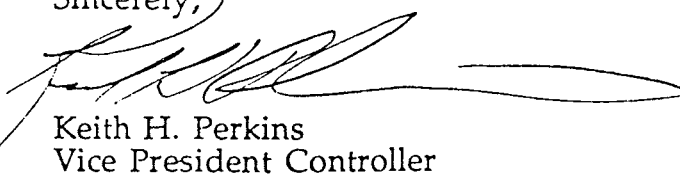
All remittances should be mailed to:

PG&E RESOURCES COMPANY
P. O. Box 840274
Dallas, Texas 75284-0274

PG&E Resources Company federal tax identifying number is 94-2882054.

Should you need any additional information, please contact Patti Sanders, Accounts Payable Supervisor.

Sincerely,


Keith H. Perkins
Vice President Controller

KHP/chs

6-06-89

NGC Energy Co. : Natural Gas Corp
of CA are one in the same
company. talked w/ Mr. Perkins
he indicated both companies
should reflect the chg. NGC Co.
will send a chg of ops from
Natural Gas Corp to NGC.

AS

November 22, 1993

RECEIVED

NOV 23 1993

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Gil Hunt

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

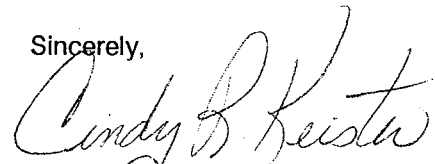
Dear Mr. Hunt:

PG&E Resources Company respectfully requests approval to convert the following wells into water injection wells in conjunction with PG&E's Proposed Wells Draw Unit, Docket No. 93-039, Cause No. 231-1:

Federal 41-5G	Federal 32-5G
Federal 14-33B	Federal 43-33B
Federal 34-33B	Federal 21-4G
Federal 14-34B	

The enclosed application has been prepared in accordance with R615-5-1 and R615-5-2 and is being submitted for your review and approval. If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,



Cindy R. Keister
Sr. Regulatory Analyst

Enclosures

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: PGE Resources Wells: Fed. 41-5G, 14-33B, 34-33B
14-34B, 32-5G, 43-33B, 21-4G

Location: section 33, 34, 4, 5 township 8&9South range 16&17East

API #: _____ Well Type: disp. ___ enhanced recov. X

If enhanced recovery has project been approved by the Board ? No

Lease Type: Federal Surface Ownership: BLM

Field: Wells Draw Unit: Wells Draw Indian Country: No

UIC Form 1: Yes Plat: Yes Wells in AOR: 15 Producing

Logs Available: Yes Bond Log: Yes

Casing Program: Adequate (see decision document

Integrity Test: To be run at conversion

Injection Fluid: Fresh water from Balcron

Geologic Information: Green River-Douglas Creek injection interval

Analyses of Injection Fluid: No Formation Fluid: Yes Compat. No

Fracture Gradient Information: .82 psig/ft Parting Pressure
2145 psi

Affidavit of Notice to Owners: Yes

Fresh Water Aquifers in Area: no significant aquifers

Depth Base of Moderately Saline Water: 300 ft

Confining Interval: silts, shales and limes of Green River

Reviewer: D. Jarvis Date: 11-23, 30-93

Comments & Recommendation Application is technically complete, an

analysis of the fresh water and a compatibility test are needed and will be submitted. An MIT will be conducted at the time of conversion. A step rate test will be run when project is operational and the wells have stabilized. A maximum pressure of 2145 psi can be permitted until a step rate test is run.

APPLICATION FOR INJECTION WELL - UIC FORM 1

DIVISION OF OIL, GAS & MINING

November 30, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

In reference to our telephone conversation on November 29, 1993, this letter represents the second addendum to the referenced UIC application dated November 22, 1993. We have researched our records and have determined that the frac gradient should be .82 psi/ft. in the Green River formation based on the following data:

1. Green River Wells - operated by PG&E Resources

- a. ISIP 2300 psi
- b. ISIP 2800 psi
- c. ISIP 1722 psi
- d. ISIP 1700 psi

2. Average ISIP 2131 psi

3. Frac Gradient:

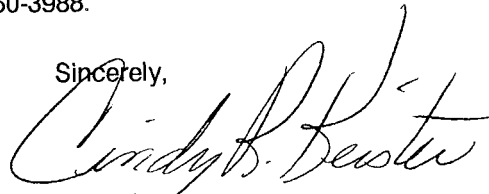
ISIP = 2131 psi

HHD = 5500' x .432 psi/ft. = 2382 psi

Frac Gradient = $\frac{2131\# + 2382\#}{5500'} = .82 \text{ psi/ft.}$

If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,



Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File

November 24, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

NOV 29 1993

Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

In reference to your telephone conversation with Jim LaFevers and myself on November 23, 1993, this letter represents an addendum to the referenced UIC application dated November 22, 1993.

1. Initially the water used for injection will be purchased from Balcron whose source is Johnson Water Company. When the waterflood is in full operation, produced water from PG&E's Wells Draw Unit Wells will be used for injection along with water purchased from Balcron.

2. Water samples will be taken and a water analysis along with a comparability analysis will be furnished.

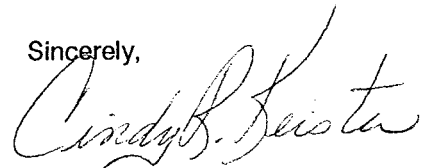
3. Frac Gradient:

$$\begin{aligned} \text{ISIP} &= 1200 \text{ psi} \\ \text{HHD} &= 5500' \times .433 \text{ psi/ft.} = 2382 \text{ psi} \\ \text{Frac Gradient} &= \frac{1200\# + 2382\#}{5500'} = .65 \text{ psi/ft.} \end{aligned}$$

4. Electric log section on Federal 41-5G has been faxed to your office from our field office in Vernal, Utah this date.

If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,

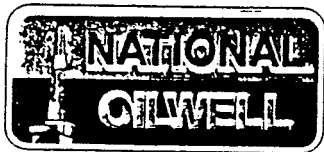


Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File

RECEIVED

DEC 02 1993



P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

COMPANY P G & E ADDRESS _____ DATE: 12-01-89

SOURCE 14-34B DATE SAMPLED 11-30-89 ANALYSIS NO. _____

Analysis	Mg/L (ppm)	*Meq/L
1. pH <u>6.4</u>		
2. H ₂ S (Qualitative) <u>0</u>		
3. Specific Gravity <u>1.076</u>		
4. Dissolved Solids <u>110,035</u>		
5. Suspended Solids _____		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. (Methyl Orange) Alkalinity (HCO ₃) <u>380</u>		
8. Bicarbonate (HCO ₃) <u>464</u>	HCO ₃ <u>464</u>	+61 <u>8</u> HCO ₃
9. Chlorides (Cl) <u>66,552</u>	Cl <u>66,552</u>	+35.5 <u>1875</u> Cl
10. Sulfates (SO ₄) <u>0</u>	SO ₄ <u>0</u>	+48 <u>0</u> SO ₄
11. Calcium (Ca) <u>920</u>	Ca <u>920</u>	+20 <u>46</u> Ca
12. Magnesium (Mg) <u>170</u>	Mg <u>170</u>	+12.2 <u>14</u> Mg
13. Total Hardness (CaCO ₃) <u>3000</u>		
14. Total Iron (Fe) <u>120</u>		
15. Barium (Ba) _____		
16. Phosphate Residuals _____		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

46	Ca	←	HCO ₃	8
14	Mg	→	SO ₄	0
1823	Na	←	Cl	1875

Saturation Values

Ca CO ₃	13 Mg/L
Ca SO ₄ · 2H ₂ O	2,090 Mg/L
Mg CO ₃	103 Mg/L

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
Ca (HCO ₃) ₂	81.04	8			648
Ca SO ₄	68.07				
Ca Cl ₂	55.50	38			2109
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62	14			667
Na HCO ₃	84.00				
Na SO ₄	71.03				
Na Cl	58.46	1823			106,573

REMARKS Resistivity = .14 Ohms / meter



A Procter & Gamble Co.

REGISTERED

DEC 02 1993

P.O. BOX 1898
CORSICANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90
SOURCE 21-4 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis

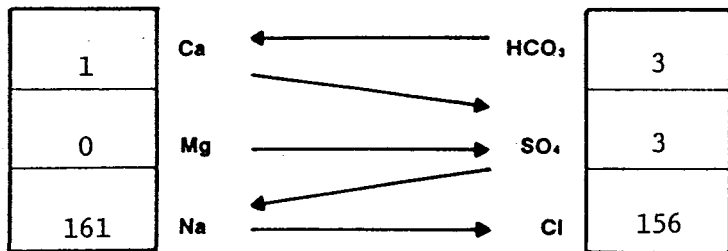
Mg/l (ppm)

*Meq/l

1. PH	<u>8.0</u>		
2. H ₂ S (Qualitative)	<u>.5</u>		
3. Specific Gravity	<u>1.014</u>		
4. Dissolved Solids		<u>9,618</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/MI
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		HCO ₃ <u>207</u>	÷61 <u>3</u> HCO ₃
9. Chlorides (Cl)		Cl <u>5,529</u>	÷35.5 <u>156</u> Cl
10. Sulfates (SO ₄)		SO ₄ <u>150</u>	÷48 <u>3</u> SO ₄
11. Calcium (Ca)		Ca <u>24</u>	÷20 <u>1</u> Ca
12. Magnesium (Mg)		Mg <u>5</u>	÷12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>80</u>	
14. Total Iron (Fe)		<u>2.6</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO₃ 13 Mg/l
Ca SO₄ · 2H₂O 2,090 Mg/l
Mg CO₃ 103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>2</u>		<u>168</u>
Na ₂ SO ₄	71.03		<u>3</u>		<u>243</u>
Na Cl	58.46		<u>156</u>		<u>9,120</u>

REMARKS _____



**Jetco
Chemicals,
Inc.**

DEC 02 1993

DIVISION OF

A Procter & Gamble Co.

P.O. BOX 1898
OIL, GAS & CHEMICALS
OFFICE 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706
(U.S.): 800/527-2510

TWX: 910/860-5100
(TX) 800/442-6261

WATER ANALYSIS REPORT

COMPANY N.G.C. Corp. ADDRESS Vernal, UT 84078 DATE 1-22-88

SOURCE 32-5G DATE SAMPLED 1-20-88 ANALYSIS NO. _____

	Analysis	Mg/l (ppm)	*Meq/l
1. pH	<u>8.8</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids		<u>13,932</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/MI		
7. (Phenolphthalein) Alkalinity (CO ₃)			
8. (Methyl Orange) Alkalinity (HCO ₃)		<u>350</u>	
9. Bicarbonate (HCO ₃)		HCO ₃ <u>427</u>	+61 <u>7</u> HCO ₃
10. Sulfates (SO ₄)		SO ₄ <u>0</u>	+48 <u>0</u> Cl
11. Chlorides (Cl)		Cl <u>8,142</u>	+35.5 <u>229</u> SO ₄
12. Calcium (Ca)		Ca <u>2</u>	+20 <u>0</u> Ca
13. Magnesium (Mg)		Mg <u>71</u>	+12.2 <u>6</u> Mg
14. Total Hardness (CaCO ₃)		<u>300</u>	
15. Total Iron (Fe)		<u>12</u>	
16. Barium (Ba)			
17. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

			Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
0	Ca	← HCO ₃	Ca (HCO ₃) ₂	81.04				
0	Mg	→ SO ₄	Ca SO ₄	68.07				
236	Na	← Cl	Ca Cl ₂	55.50				
			Mg (HCO ₃) ₂	73.17		6		439
			Mg SO ₄	60.19				
			Mg Cl ₂	47.62				
			Na HCO ₃	84.00		1		84
			Na SO ₄	71.03		0		
			Na Cl	58.46		229		13,387

Saturation Values

Ca CO₃
Ca SO₄ · 2H₂O
Mg CO₃

Distilled Water 20°C

13Mg/l
2,090 Mg/l
103 Mg/l

REMARKS _____



A Procter & Gamble Co.

DEC 02 1993

P.O. BOX 1898
CORSICANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90

SOURCE 34-33 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis

Mg/l (ppm)

*Meq/l

1. PH	<u>7.7</u>		
2. H ₂ S (Qualitative)	<u>4.5</u>		
3. Specific Gravity	<u>1.015</u>		
4. Dissolved Solids	<u>9,559</u>		
5. Suspended Solids			
6. Anaerobic Bacterial Count		C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	HCO ₃ <u>220</u>	÷61	<u>4</u> HCO ₃
9. Chlorides (Cl)	Cl <u>5,529</u>	÷35.5	<u>156</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>100</u>	÷48	<u>2</u> SO ₄
11. Calcium (Ca)	Ca <u>64</u>	÷20	<u>3</u> Ca
12. Magnesium (Mg)	Mg <u>12</u>	÷12.2	<u>1</u> Mg
13. Total Hardness (CaCO ₃)	<u>220</u>		
14. Total Iron (Fe)	<u>.4</u>		
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	4
1	Mg	→	SO ₄	2
158	Na	→	Cl	156

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		<u>2</u>		<u>142</u>
Na Cl	58.46		<u>156</u>		<u>9,120</u>

REMARKS _____



**Jetco
Chemicals,
Inc.**

DEC 02 1993

DIVISION OF

A Procter & Gamble Co.

OIL, GAS & CHEMICALS P.O. BOX 1898
OFFICE 1112 872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706
(U.S.): 800/527-2510

TWX: 910/860-5100
(TX.) 800/442-6261

WATER ANALYSIS REPORT

COMPANY NGC ADDRESS Vernal, Utah DATE: 10-21-88

SOURCE 41-5G (Treater) DATE SAMPLED 10-20-88 ANALYSIS NO. _____

Analysis

Mg/l (ppm)

*Meq/l

1. pH	<u>8.2</u>		
2. H ₂ S (Qualitative)	<u>.5</u>		
3. Specific Gravity	<u>1.016</u>		
4. Dissolved Solids	<u>24,348</u>		
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>	
7. (Phenolphthalein) Alkalinity (CO ₃)			
8. (Methyl Orange) Alkalinity (HCO ₃)	<u>600</u>		
9. Bicarbonate (HCO ₃)	HCO ₃ <u>732</u>	+61 <u>12</u>	HCO ₃
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	+48 <u>0</u>	Cl
11. Chlorides (Cl)	Cl <u>14,160</u>	+35.5 <u>399</u>	SO ₄
12. Calcium (Ca)	Ca <u>2</u>	+20 <u>0</u>	Ca
13. Magnesium (Mg)	Mg <u>1</u>	+12.2 <u>0</u>	Mg
14. Total Hardness (CaCO ₃)	<u>11</u>		
15. Total Iron (Fe)	<u>.7</u>		
16. Barium (Ba)			
17. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	12
0	Mg	→	SO ₄	0
411	Na	←	Cl	399

Saturation Values

Distilled Water 20°C

Ca CO₃ 13Mg/l
Ca SO₄ · 2H₂O 2,090 Mg/l
Mg CO₃ 103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	12			1,008
Na SO ₄	71.03	0			0
Na Cl	58.46	399			23,326

REMARKS OIL ANALYSIS: Spec. Gravity = .8867 / API @ 60°F = 22.5 / Pour Point = 87°F

UIC FORM 1

PLAT

WELLBORE DIAGRAMS

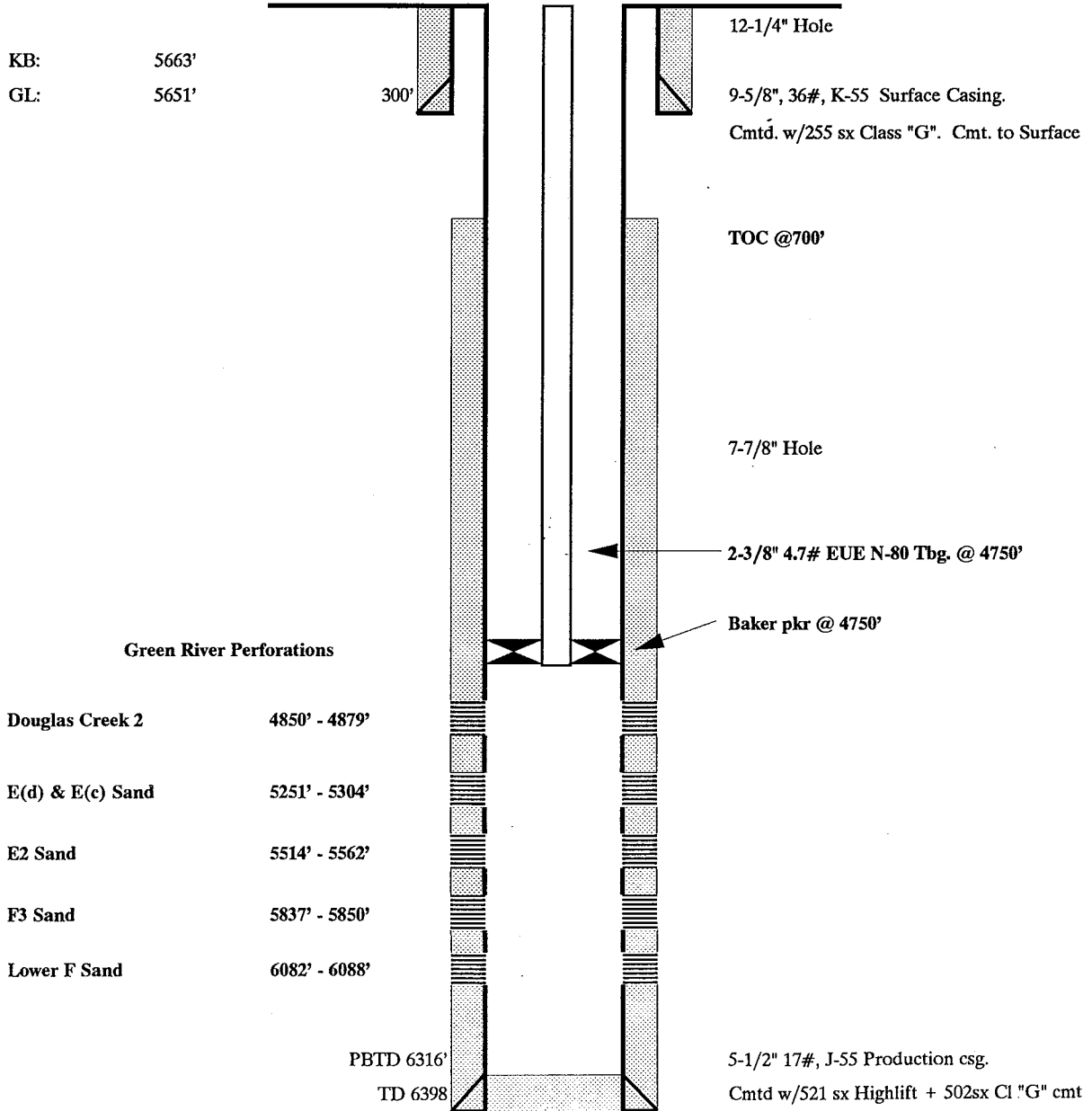
FEDERAL 14-33B

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 6/7/89
TD Date: 7/15/89
Compl. Date: 9/4/89

Sec 33, T-8S-R16E
SW/4 SW/4

KB: 5663'
GL: 5651'



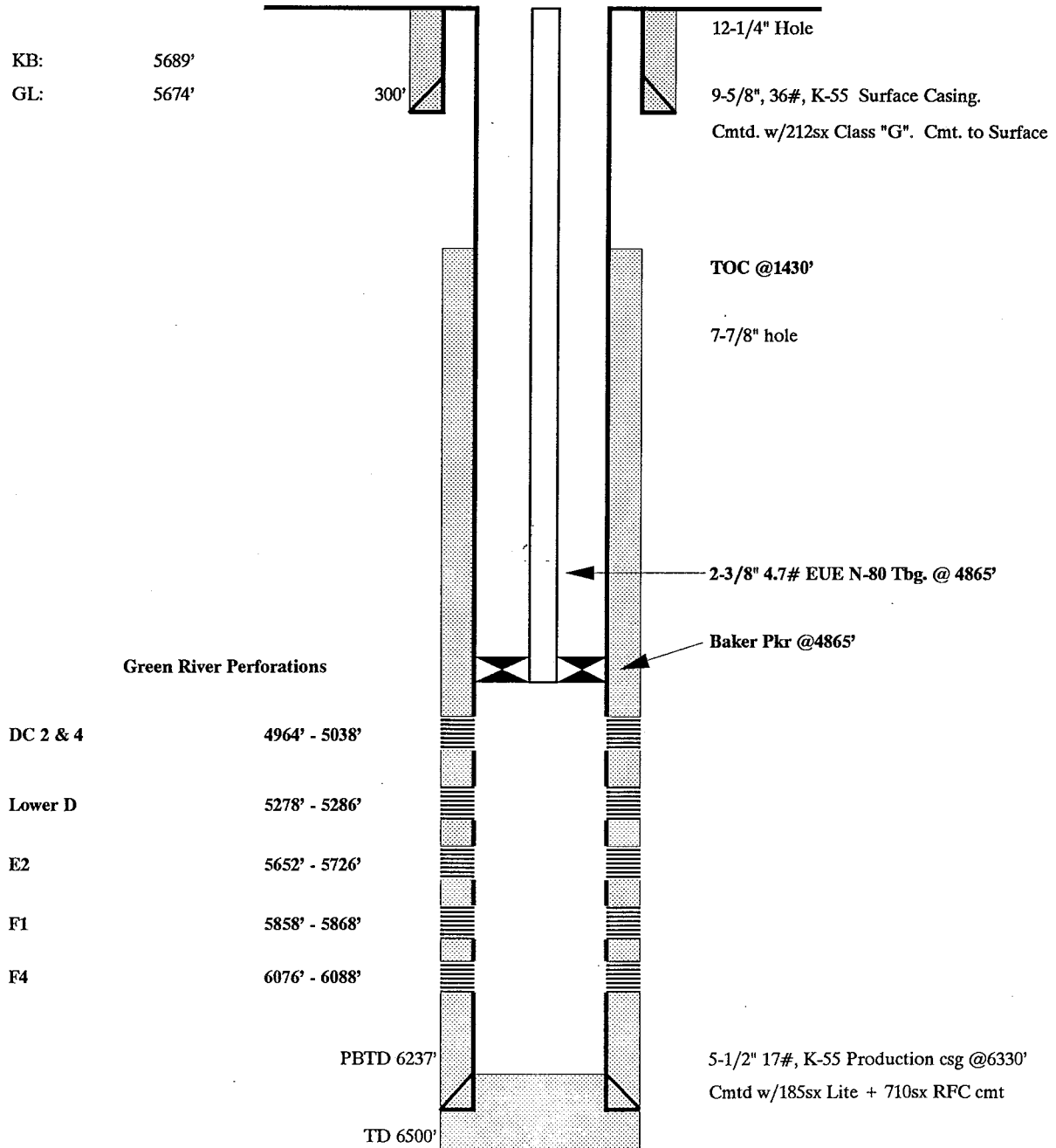
FEDERAL 14-34B

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 5/7/89
TD Date: 5/20/89
Compl. Date: 6/24/89

Sec 34, T-8S-R16E
SW/4 SW/4

KB: 5689'
GL: 5674'



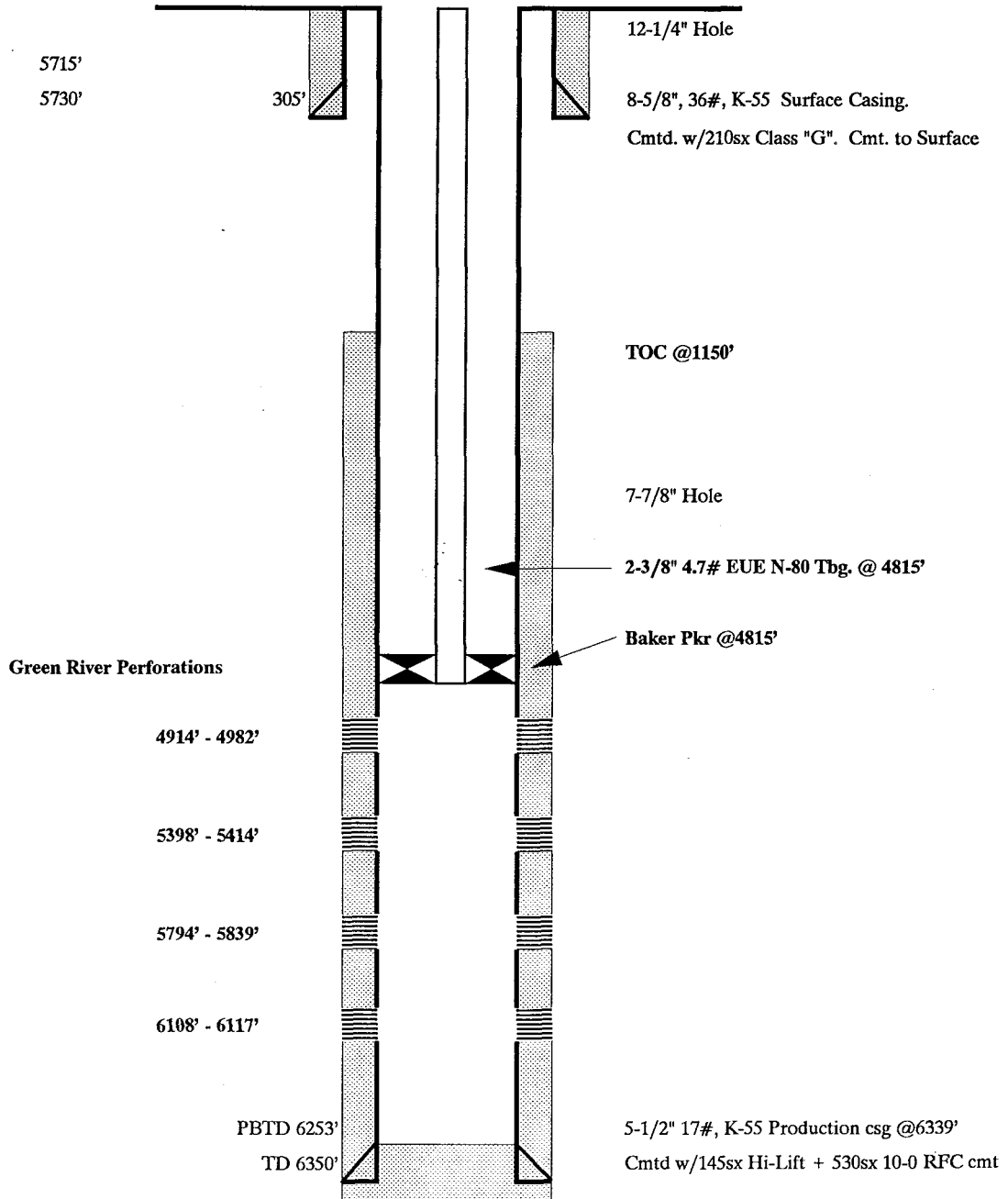
FEDERAL 21-4G

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 6/2/90
TD Date: 6/15/90
Compl. Date: 8/18/90

Sec 4, T-9S-R16E
NE/4 NW/4

KB: 5715'
GL: 5730'



FEDERAL 32-5G

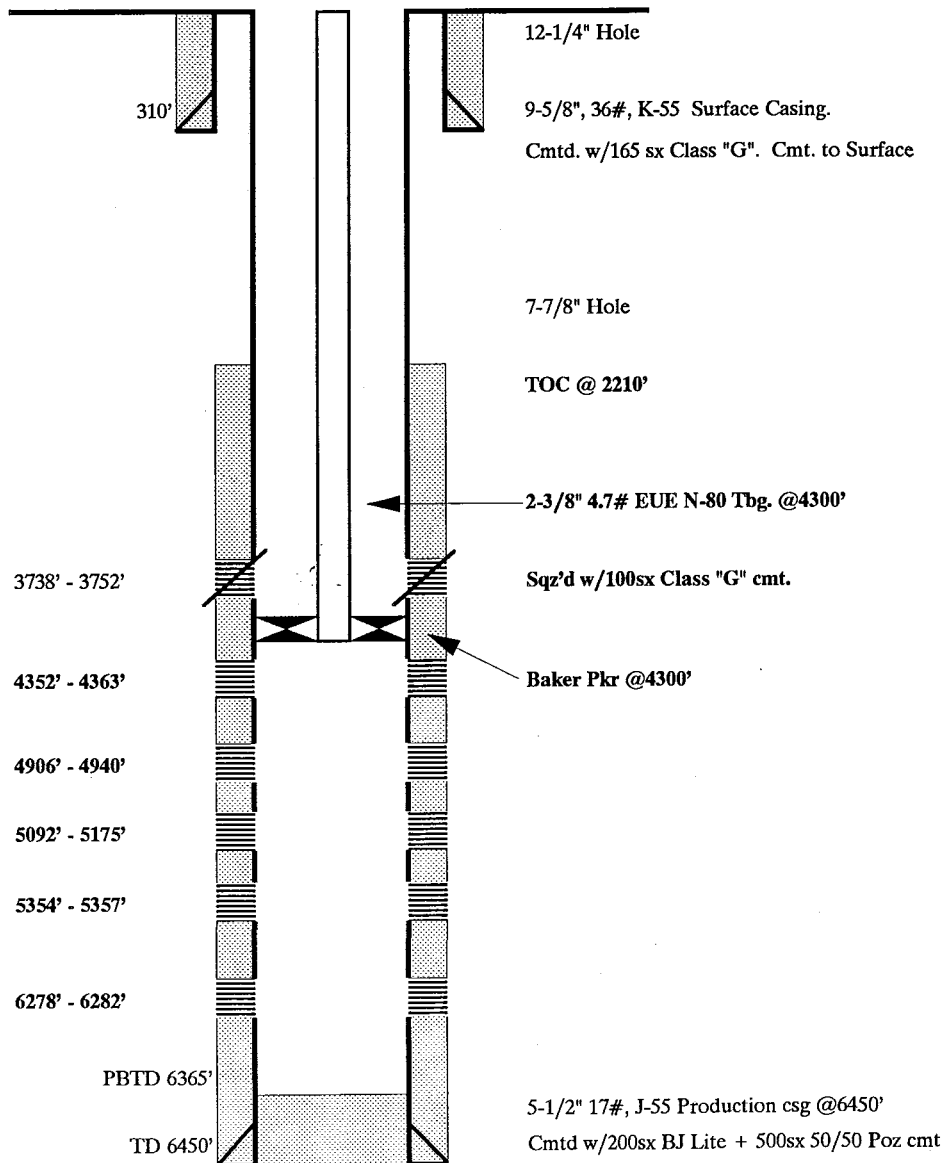
WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 7/19/82
TD Date: 7/30/82
Compl. Date: 11/14/82

Sec 5, T-9S-R16E
SW/4 NE/4

KB: 5823'
GL: 5809'

Green River



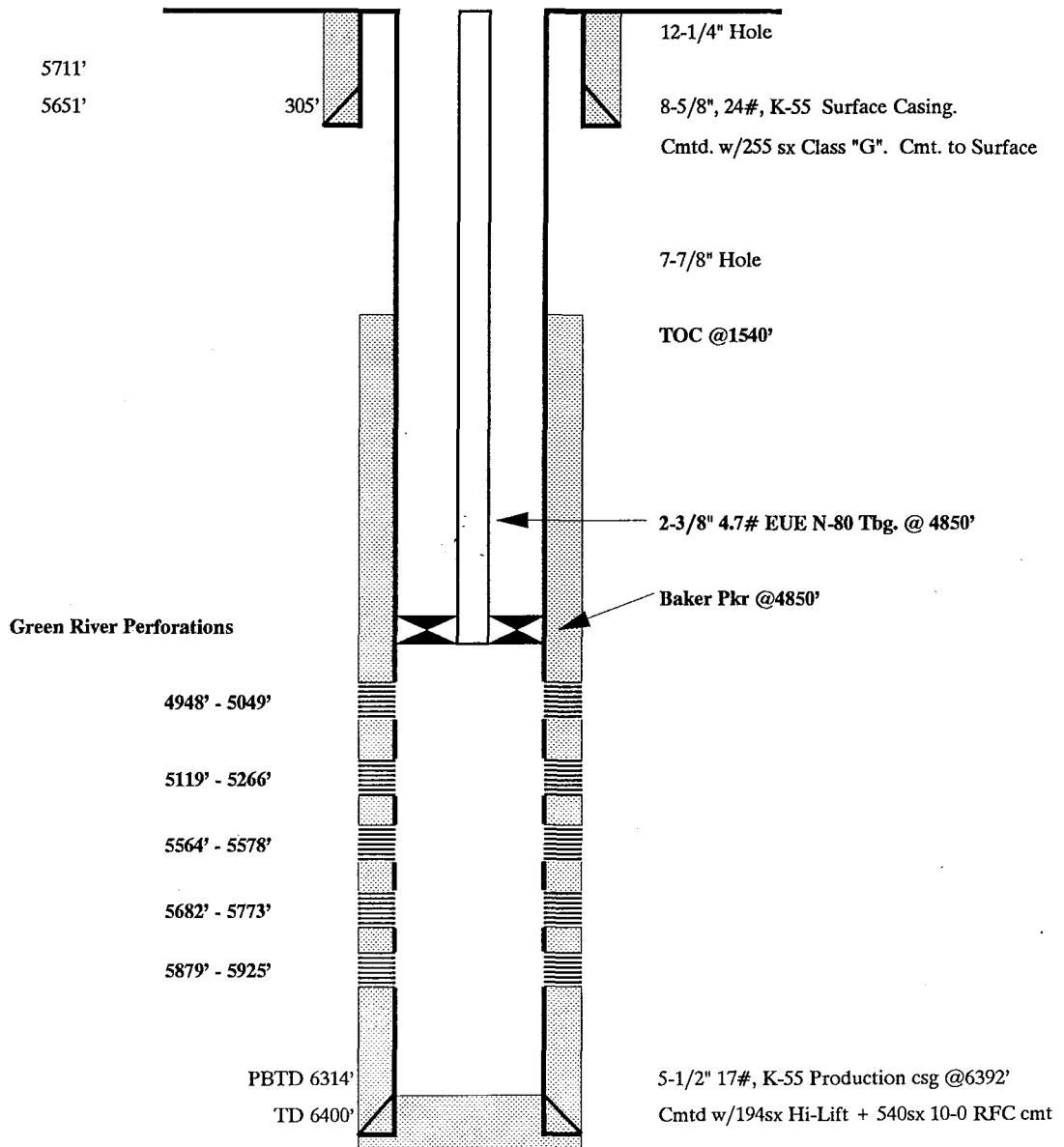
FEDERAL 34-33B

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 4/24/90
TD Date: 5/6/90
Compl. Date: 6/19/90

Sec 33, T-8S-R16E
SW/4 SE/4

KB: 5711'
GL: 5651'



FEDERAL 41-5G

WELLS DRAW UNIT

Duchesne County, Utah

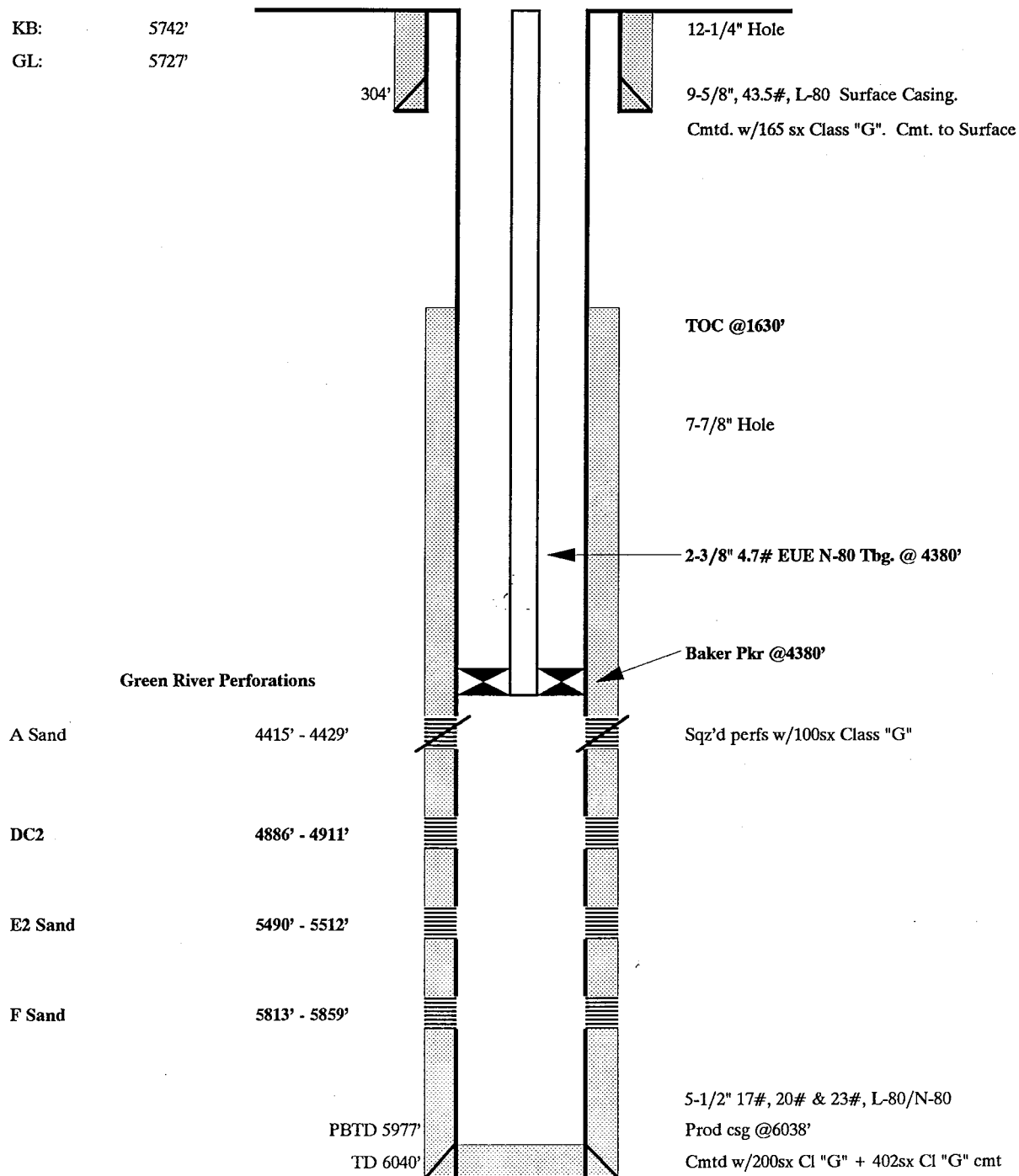
PROPOSED WIW

Spud: 3/24/88
TD Date: 4/1/88
Compl. Date: 4/27/88

Sec. 5, T9S-R16E

NE/4 SW/4

KB: 5742'
GL: 5727'



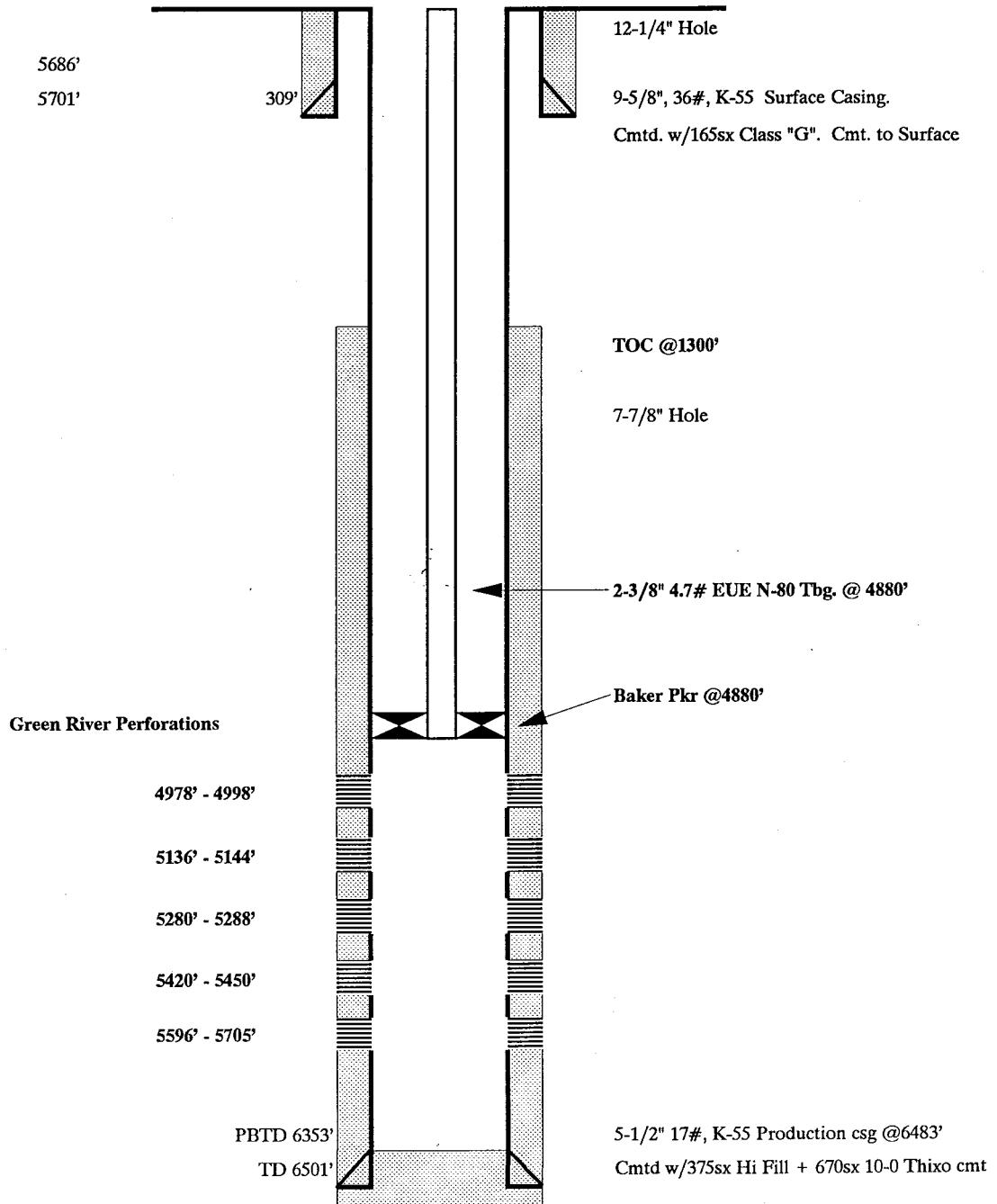
FEDERAL 43-33B

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 9/5/89
TD Date: 9/17/89
Compl. Date: 11/7/89

Sec 33, T-8S-R16E
NE/4 SE/4

KB: 5686'
GL: 5701'



**WELLS DRAW WATERFLOOD UNIT
DUCHENESE COUNTY, UT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS**

A. ELECTRIC LOGS

A copy of the marked injection interval is attached for your convenience. The electric logs have been submitted and are on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

B. CEMENT BOND LOGS

The Cement Bond Logs have been submitted and are currently on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

C. CASING PROGRAM/TESTING PROCEDURES

The casing program for each of the seven (7) wells is reflected on the attached individual wellbore diagrams. Before injection begins, the casing outside the tubing shall be tested to 1000 psi as required in R615-5-5.

D. INJECTION FLUID

Initially produced water from the E₂ and DC₃ sands of the Green River formation from wells operated by Lomax will be injected. Water samples are being taken and a water analysis and compability statement will be furnished. When the waterflood is in full operation, produced water from PG&E's Wells Draw Unit Wells will be used for injection. Annual injection rates will be determined by a step-rate test, but the initial injection rate will be 300-400 BWPD per well at an injection pressure somewhat below 2000 psi.

E. FRESH WATER PROTECTION

The frac gradients for the field average to be 0.84 psig/ft. The maximum injection pressures will be kept below this gradient.

F. GEOLOGY

The Wells Draw Unit is adjacent and similar to the Monument Butte Green River "D" Unit in that it produces from the same Green River sands with similar pay thicknesses and production characteristics. By far the majority of production is from the DC₂ and E₂ sands but there are several non-continuous porous intervals in the "A", "B", "D" and other Green River sand groups.

Oil is stratigraphically trapped in lenticular, fine grained quartz sandstone fluvial deposits intersecting the edge of a lacustrine environment. These sandstones are associated with multicolored shales and carbonates of a lacustrine nature. The Wells Draw area is located on a structural monocline dipping one to two degrees to the Northeast. Reservoir thickness and distribution are basically similar as you go from Monument Butte into Wells Draw. The two fields contain the same hydrocarbons and similar water saturations. The water in which these reservoirs were deposited was fresh to brackish.

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 2

G. OFFSET WELL MECHANICAL CONDITION (1/2 MILE RADIUS)

OFFSET WELL - FEDERAL 11-4G (Section 4, T9S-R16E NW/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	J-55	J-55
Setting Depth	289'	6453'
Amount of Cement	165sx	317sx + 595sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	3300' ✓
Date Set	12/24/89	01/20/90
PBTD		6311'

OFFSET WELL - FEDERAL 12-4G (Section 4, T9S-R16E SW/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	32#	15.5#
Grade	J-55	J-55 & K-55
Setting Depth	305'	6409'
Amount of Cement	215sx	285sx + 682sx
Type of Cement	B. J. "L"	B. J. Lite + B.J. Lite 50/50 Poz
Top of Cement	Surface	2500' ✓
Date Set	04/05/83	04/19/83
PBTD		6217'

OFFSET WELL - FEDERAL 13-34B (Section 34, T8S-R16E NW/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	307'	6470'
Amount of Cement	210sx	165sx + 530sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1080' ✓
Date Set	05/31/90	06/10/90
PBTD		6390'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 3

OFFSET WELL - FEDERAL 21-5G (Section 5, T9S-R16E NE/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	32#	15.5#
Grade	J-55	J-55
Setting Depth	311'	6500'
Amount of Cement	215sx	338sx + 863sx
Type of Cement	Class "G"	B. J. Lite + 50/50 Poz
Top of Cement	Surface	2500' ✓
Date Set	03/26/83	04/07/83
PBTD		6270'

OFFSET WELL - FEDERAL 22-5G (Section 5, T9S-R16E SE/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	J-55
Setting Depth	311'	6259'
Amount of Cement	210sx	160sx + 450sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1610' ✓
Date Set	05/29/90	06/24/90
PBTD		6184'

OFFSET WELL - FEDERAL 23-5G (Section 5, T9S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	53.5#	17#
Grade	L-80	K-55/N-80
Setting Depth	300'	6000'
Amount of Cement	165sx	195sx + 445sx
Type of Cement	Class "G"	Class "G"
Top of Cement	Surface	1190' ✓
Date Set	07/20/88	08/06/88
PBTD		5911'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 4

OFFSET WELL - FEDERAL 23-33B (Section 33, T8S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	300'	6402'
Amount of Cement	165sx	300sx + 575sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	3300' ✓
Date Set	12/21/89	01/07/90
PBTD		6308'

OFFSET WELL - FEDERAL 23-34B (Section 34, T8S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	J-55	J-55
Setting Depth	301'	6550'
Amount of Cement	165sx	320sx + 585sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1740' ✓
Date Set	12/03/89	12/22/89
PBTD		6445'

OFFSET WELL - FEDERAL 24-33B (Section 33, T8S-R16E SE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	47# & 53.5#	17#
Grade	L-80/N-80	K-55/N-80
Setting Depth	310'	6410'
Amount of Cement	165sx	125sx + 500sx
Type of Cement	Class "G"	Silica Lite + Class "G"
Top of Cement	Surface	2405' ✓
Date Set	08/18/88	08/31/88
PBTD		6329'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 5

OFFSET WELL - FEDERAL 31-4G (Section 4, T9S-R16E NW/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	K-55	J-55
Setting Depth	300'	5603'
Amount of Cement	165sx	260sx + 580sx
Type of Cement	Class "G"	Hi-Lift + Class "G"
Top of Cement	Surface	2300'
Date Set	05/21/89	05/12/89
PBTD		5603'

OFFSET WELL - FEDERAL 31-5G (Section 5, T9S-R16E NW/NE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	332'	6388'
Amount of Cement	225sx	318sx + 535sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	2200'
Date Set	01/20/90	02/03/90
PBTD		6255'

OFFSET WELL - FEDERAL 33-33B (Section 33, T8S-R16E NW/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	301'	6400'
Amount of Cement	225sx	155sx + 520sx
Type of Cement	Class "G"	Howco Lite + 10-0 RFC
Top of Cement	Surface	2050'
Date Set	05/04/90	06/03/90
PBTD		6315'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 6

OFFSET WELL - FEDERAL 42-4 (Section 4, T9S-R16E SE/NE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	K-55	N-80
Setting Depth	300'	6483'
Amount of Cement	165sx	720sx
Type of Cement	Class "G"	Class "G"
Top of Cement	Surface	2406'
Date Set	03/22/82	04/04/82
PBTD		6404'

OFFSET WELL - FEDERAL 44-33B (Section 33, T8S-R16E SE/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	300'	6385'
Amount of Cement	225sx	240sx + 715sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	2650' ✓
Date Set	04/29/90	05/26/90
PBTD		6279'

OFFSET WELL - FEDERAL 43-5 (Section 5, T9S-R16E NE/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade		
Setting Depth	240'	6025'
Amount of Cement	190sx	190sx + 385sx
Type of Cement	Class "G"	Lite + Thixotropic
Top of Cement	Surface	750' ✓
Date Set	01/84	1984
PBTD		5980'

WELLS DRAW WATERFLOOD UNIT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
PAGE 7

H. AFFIDAVIT OF NOTIFICATION

To whom it may concern:

Copies of the UIC Form 1 application for the wells listed below have been mailed to the following on November 19, 1993:

Federal 41-5G
Federal 14-33B
Federal 43-33B
Federal 21-4G

Federal 32-5G
Federal 34-33B
Federal 14-34B

OFFSET OPERATORS:

Chevron USA, Inc.
P. O. Box 1635
Houston, TX 77251

Equitable Resources Energy Co.
Balcron Oil Division
P. O. Box 21017
Billings, MT 59104

James Fishgrund
9777 Wilshire Blvd., #818
Beverly Hills, CA 90202

Interline Resources Company
175 West 200 South, Suite 2004
Salt Lake City, UT 84001

Lomax Exploration Company
13405 NW Freeway, #310
Houston, TX 77040

Lee R. Martin
1645 Court Place
Denver, CO 80202

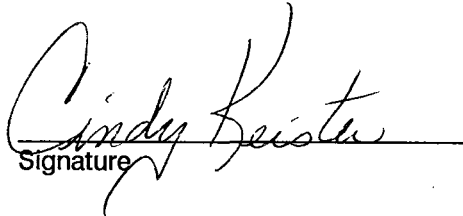
Maybelle, Inc.
P. O. Box 3595
Midland, TX 79702

WELLS DRAW WATERFLOOD UNIT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
PAGE 8

AFFIDAVIT OF NOTIFICATION (Continued)

SURFACE OWNERS:

Bureau of Land Management
170 South 500 East
Vernal, UT 84078


Signature

Cindy Keister

Name

(214) 706-3640

Telephone

Sr. Regulatory Analyst

Title

November 22, 1993

Date

PG&E Resources Company

6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922
Telephone 214/750-3800
FAX 214/750-3883

November 30, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

In reference to our telephone conversation on November 29, 1993, this letter represents the second addendum to the referenced UIC application dated November 22, 1993. We have researched our records and have determined that the frac gradient should be .82 psi/ft. in the Green River formation based on the following data:

1. Green River Wells - operated by PG&E Resources

- a. ISIP 2300 psi
- b. ISIP 2800 psi
- c. ISIP 1722 psi
- d. ISIP 1700 psi

2. Average ISIP 2131 psi

3. Frac Gradient:

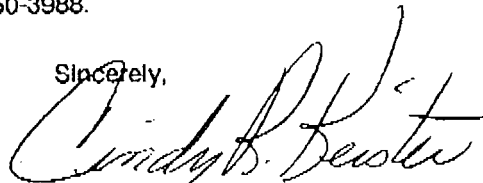
ISIP = 2131 psi

HHD = 5500' x .432 psi/ft. = 2382 psi

Frac Gradient = $\frac{2131\# + 2382\#}{5500'}$ = .82 psi/ft.

If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,



Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File



A Procter & Gamble Co.

P.O. BOX 1898

OFFICE: 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706

(U.S.): 800/327-2510

TWX: 910/860-5100

(TX.) 800/442-6261

WATER ANALYSIS REPORT

 COMPANY NGC ADDRESS Vernal, Utah DATE 10-21-88

 SOURCE 41-5G (Treater) DATE SAMPLED 10-20-88 ANALYSIS NO.

Analysis

Mg/l (ppm)

*Meq/l

1. pH	8.2		
2. H ₂ S (Qualitative)	.5		
3. Specific Gravity	1.016		
4. Dissolved Solids		24,348	
5. Suspended Solids			
6. Anaerobic Bacterial Count	CI	C/MI	
7. (Phenolphthalein) Alkalinity (CO ₃)			
8. (Methyl Orange) Alkalinity (HCO ₃)		600	
9. Bicarbonate (HCO ₃)		732	+61 12 HCO ₃
10. Sulfates (SO ₄)		0	+48 0 Cl
11. Chlorides (Cl)		14,160	+35.5 399 SO ₄
12. Calcium (Ca)		2	+20 0 Ca
13. Magnesium (Mg)		1	+12.2 0 Mg
14. Total Hardness (CaCO ₃)		11	
15. Total Iron (Fe)		.7	
16. Barium (Ba)			
17. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	→	12
0	Mg	→	SO ₄	→	0
411	Na	→	Cl	→	399

Saturation Values

Ca CO₃Ca SO₄ · 2H₂OMg CO₃

Distilled Water 20°C

13Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	12			1,008
Na SO ₄	71.03	0			0
Na Cl	58.46	399			23,326

 REMARKS OIL ANALYSIS: Spec. Gravity = .8867 / API @ 60°F = 22.5 / Pour Point = 87°F



A Procter & Gamble Co.

P.O. BOX 1898
CORSICANA, TX. 75151OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

WATER ANALYSIS REPORT

COMPANY P.G. & E. ADDRESS Vernal, UT. DATE 10-31-90
 SOURCE 34-33 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. PH <u>7.7</u>		
2. H ₂ S (Qualitative) <u>4.5</u>		
3. Specific Gravity <u>1.015</u>		
4. Dissolved Solids <u>9,559</u>		
5. Suspended Solids _____		
6. Anaerobic Bacterial Count _____ C/Ml		
7. Methyl Orange Alkalinity (CaCO ₃) _____		
8. Bicarbonate (HCO ₃) <u>220</u> <u>+61</u> <u>4</u> HCO ₃		
9. Chlorides (Cl) <u>5,529</u> <u>+35.5</u> <u>156</u> Cl		
10. Sulfates (SO ₄) <u>100</u> <u>+48</u> <u>2</u> SO ₄		
11. Calcium (Ca) <u>64</u> <u>+20</u> <u>3</u> Ca		
12. Magnesium (Mg) <u>12</u> <u>+12.2</u> <u>1</u> Mg		
13. Total Hardness (CaCO ₃) <u>220</u>		
14. Total Iron (Fe) <u>.4</u>		
15. Barium (Qualitative) _____		
16. Phosphate Residuals _____		

*MMH equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	4
1	Mg	←	SO ₄	2
158	Na	←	Cl	156

Saturation Values

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Distilled Water 20°C

Compound	Eqv. Wt.	x	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		1		73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		2		142
Na Cl	58.46		156		9,120

REMARKS _____



**Jeico
Chemicals,
Inc.**

A Procter & Gamble Co.

P.O. BOX 1898

OFFICE: 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706

(U.S.): 800/527-2510

TWX: 910/860-5100

(TX) 800/442-6261

WATER ANALYSIS REPORT

COMPANY N.G.C. Corp. ADDRESS Vernal, UT 84078 DATE 1-22-88

SOURCE 32-5G DATE SAMPLED 1-20-88 ANALYSIS NO. _____

Analysis

Mg/l (ppm)

*Meq/l

1. pH	<u>8.8</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids	<u>13,932</u>		
5. Suspended Solids			
6. Anaerobic Bacterial Count		C/MI	
7. (Phenolphthalein) Alkalinity (CO ₃)			
8. (Methyl Orange) Alkalinity (HCO ₃)	<u>350</u>		
9. Bicarbonate (HCO ₃)	<u>427</u>	+61	<u>7</u> HCO ₃
10. Sulfates (SO ₄)	<u>0</u>	+48	<u>0</u> Cl
11. Chlorides (Cl)	<u>8,142</u>	+35.5	<u>229</u> SO ₄
12. Calcium (Ca)	<u>2</u>	+20	<u>0</u> Ca
13. Magnesium (Mg)	<u>71</u>	+12.2	<u>6</u> Mg
14. Total Hardness (CaCO ₃)	<u>300</u>		
15. Total Iron (Fe)	<u>12</u>		
16. Barium (Ba)			
17. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>6</u>		<u>439</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>1</u>		<u>84</u>
Na SO ₄	71.03		<u>0</u>		
Na Cl	58.46		<u>229</u>		<u>13,387</u>

Saturation Values

Distilled Water 20°C

Ca CO₃

13Mg/l

Ca SO₄ · 2H₂O

2,090 Mg/l

Mg CO₃

103 Mg/l

REMARKS _____



P.O. BOX 1898
CORSICANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

WATER ANALYSIS REPORT

COMPANY P.C. & E. ADDRESS Vernal, UT. DATE: 10-31-90
SOURCE 21-4 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis

Mg/l (ppm)

*Meq/l

1. PH	<u>8.0</u>		
2. H ₂ S (Qualitative)	<u>.5</u>		
3. Specific Gravity	<u>1.014</u>		
4. Dissolved Solids	<u>9,618</u>		
5. Suspended Solids			
6. Anaerobic Bacterial Count		C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	<u>207</u>	<u>+61</u>	<u>3</u> HCO ₃
9. Chlorides (Cl)	<u>5,529</u>	<u>+35.5</u>	<u>156</u> Cl
10. Sulfates (SO ₄)	<u>150</u>	<u>+48</u>	<u>3</u> SO ₄
11. Calcium (Ca)	<u>24</u>	<u>+20</u>	<u>1</u> Ca
12. Magnesium (Mg)	<u>5</u>	<u>+12.2</u>	<u>0</u> Mg
13. Total Hardness (CaCO ₃)	<u>80</u>		
14. Total Iron (Fe)	<u>2.6</u>		
15. Barium (Qualitative)			
16. Phosphate Residuals			

*MEQ equivalents per liter

PROBABLE MINERAL COMPOSITION

1	Ca	←	HCO ₃	3
0	Mg	←	SO ₄	3
161	Na	←	Cl	156

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Eqv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		1		81
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.52				
Na HCO ₃	84.00		2		168
Na ₂ SO ₄	71.03		3		243
Na Cl	58.46		156		9,120

REMARKS _____



P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

WATER ANALYSIS REPORT

COMPANY P G & E ADDRESS _____ DATE 12-01-89
 SOURCE 14-34B DATE SAMPLED 11-30-89 ANALYSIS NO. _____

Analysis	Mg/L (ppm)	Meq/L
1. pH <u>6.4</u>		
2. H ₂ S (Qualitative) <u>0</u>		
3. Specific Gravity <u>1.076</u>		
4. Dissolved Solids <u>110,035</u>		
5. Suspended Solids _____		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. (Methyl Orange) Alkalinity (HCO ₃) <u>380</u>		
8. Bicarbonate (HCO ₃) <u>464</u>	HCO ₃	<u>8</u> HCO ₃
9. Chlorides (Cl) <u>66,552</u>	Cl	<u>35.5</u> 1875 Cl
10. Sulfates (SO ₄) <u>0</u>	SO ₄	<u>48</u> 0 SO ₄
11. Calcium (Ca) <u>920</u>	Ca	<u>20</u> 46 Ca
12. Magnesium (Mg) <u>170</u>	Mg	<u>12.2</u> 14 Mg
13. Total Hardness (CaCO ₃) <u>3000</u>		
14. Total Iron (Fe) <u>120</u>		
15. Barium (Ba) _____		
16. Phosphate Residuals _____		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

46	Ca	←	HCO ₃	→	8	Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
14	Mg	←	SO ₄	→	0	Ca (HCO ₃) ₂	81.04		8		648
1823	Na	←	Cl	→	1875	Ca SO ₄	68.07				
						Ca Cl ₂	55.50		38		2109
						Mg (HCO ₃) ₂	73.17				
						Mg SO ₄	60.19				
						Mg Cl ₂	47.62		14		667
						Na HCO ₃	84.00				
						Na SO ₄	71.03				
						Na Cl	58.46		1823		106,573

Saturation Values

Distilled Water 20°C

Ca CO₃

13 Mg/L

Ca SO₄ · 2H₂O

2,090 Mg/L

Mg CO₃

103 Mg/L

REMARKS Resistivity = .14 Ohms / meter

ELECTRIC LOG SECTIONS

PG&E Resources Company
85 South 200 East
Vernal, UT 84078
(801) 789-4573
FAX - (801) 789-5192

FAX COVER SHEET

TO: ✓ Dan Jarvis @ _____ @ FAX # 359-3940
TO: _____ @ _____ @ FAX # _____
TO: _____ @ _____ @ FAX # _____

FROM: Sandy Miller Date: 11/24/93

The information contained in or attached to this facsimile transmission is intended only for the confidential use of the individual(s) named above. If you are not the named recipient or an agent responsible for delivering a message to the named recipient, you are hereby notified that you have received this document in error and that the dissemination or copying of this communication is prohibited. If you have received this transmission in error, please notify us immediately by telephone and return the original documents to us by mail.

TOTAL NO. OF PAGES: 7 (does not include cover page)

MESSAGE

*These sections should include all perforated
intervals (4415' - 5859')*

*Thanks
Sally*

IF YOU DO NOT RECEIVE ALL OF THIS TRANSMITTAL, PLEASE
NOTIFY Karla @ (801) 789-4573

COMPENSATED NEUTRON-FORMATION DENSITY			
Schlumberger			
COMPANY		NATURAL GAS CORPORATION OF CALIF.	
WELL		NGC FEDERAL 41-5-G	
FIELD		MONUMENT BUTTE	
COUNTY		DUCHESE STATE UTAH	
LOCATION		1817' FEL X 63T PNL	
WELL		NGC FEDERAL 41-5-G	
COMPANY		NATURAL GAS CORPORATION OF	
Permanent Datum		GROUND LEVEL	
Log Measured From		KB	
Drilling Measured From		KB	
Date	30-MAR-88		
Run No.	1		
Depth Driller	5825.0 F		
Depth Logger (Seal)	5825.0 F		
Bitm. Log Interval	5822.0 F		
Top Log Interval	302.0 F		
Casing-Driller	4425 @ 3000 F		
Casing-Logger	302.0 F		
Bit Size	7.875		
Fluid in Hole	KCL FRESHWATER		
Visc.	8.40 LB/S	27.0 S	
pH	11.0		
Source of Sample	MUD TANK		
Run @ Meas. Temp.	282 OHMM	50.0 DEG	
Run @ Meas. Temp.	200 OHMM	50.0 DEG	
Run @ Meas. Temp.	450 OHMM	50.0 DEG	
Source: Run/	CALCULATED	CALC	
Run @ Bit	116 OHMM	136 DEG	
Chronicle Ended	1100 3/30		
Logger on Bottom	1830 3/30		
Max. Rec. Temp.	136. DEG		
Equip.	8220	VERNAL	
Recorded By	V O S S		
Witnessed By	WINGERT/MCMACAN		

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	1	
Service Order No.	444842	
Drilling Fluid Level	0.0 F	
Salinity	15000.0 PPM	
Rmt @ BHT	080 OHMM	136. DEGF
Rmo @ BHT	170 OHMM	136. DEGF
Logging Speed	1800.0 F/HR	
Equipment Data		
Tool Number 1	DRS 2947	
Tool Number 2	NSC 812	
Tool Number 3	PDH 1865	
Tool Number 4	PGD 1910	
Tool Number 5	GSR 6183	
Tool Number 6	CNT 280	
Tool Number 7	SGC	
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:

COMPANY	GAS CORPORATION OF CALIFORNIA		SONL. FR	5022.0 F
			SONL. TD	5020.0 F
			SONL. TD	5035.0 F
WELL	NGC FEDERAL 41-5-G		Elev.	KB 5742.0 F
FIELD	MONUMENT BUTTE			DF 5741.0 F
COUNTY	DUCHESNE	STATE	UTAH	GL 5727.0 F

COMPENSATED NEUTRON-

11/24/93

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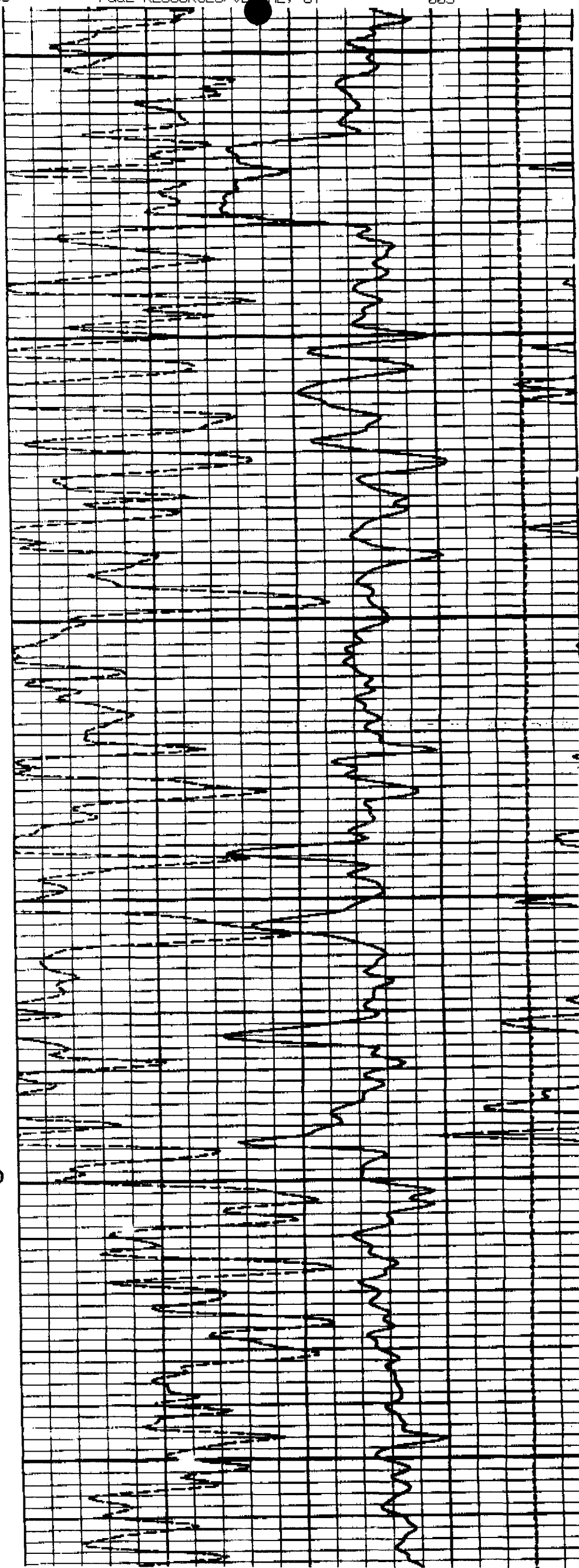
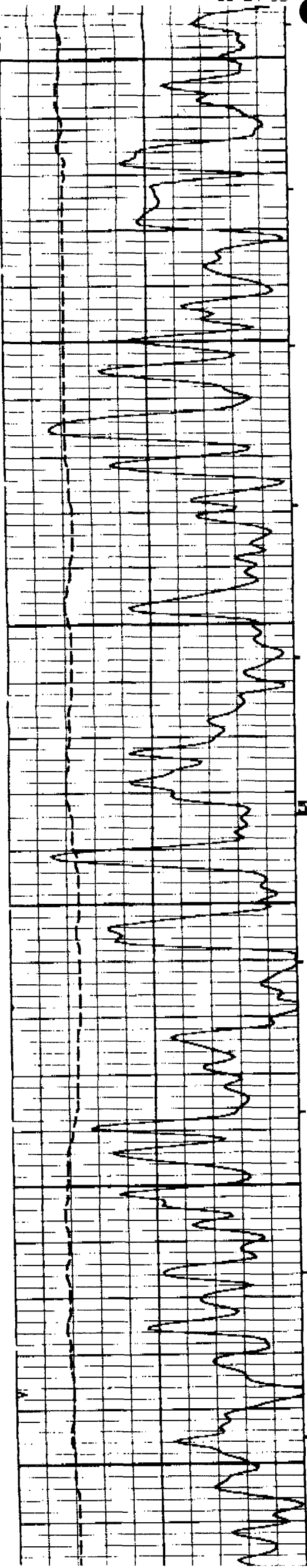
PG&E RESOURCES/VEERAL, UT

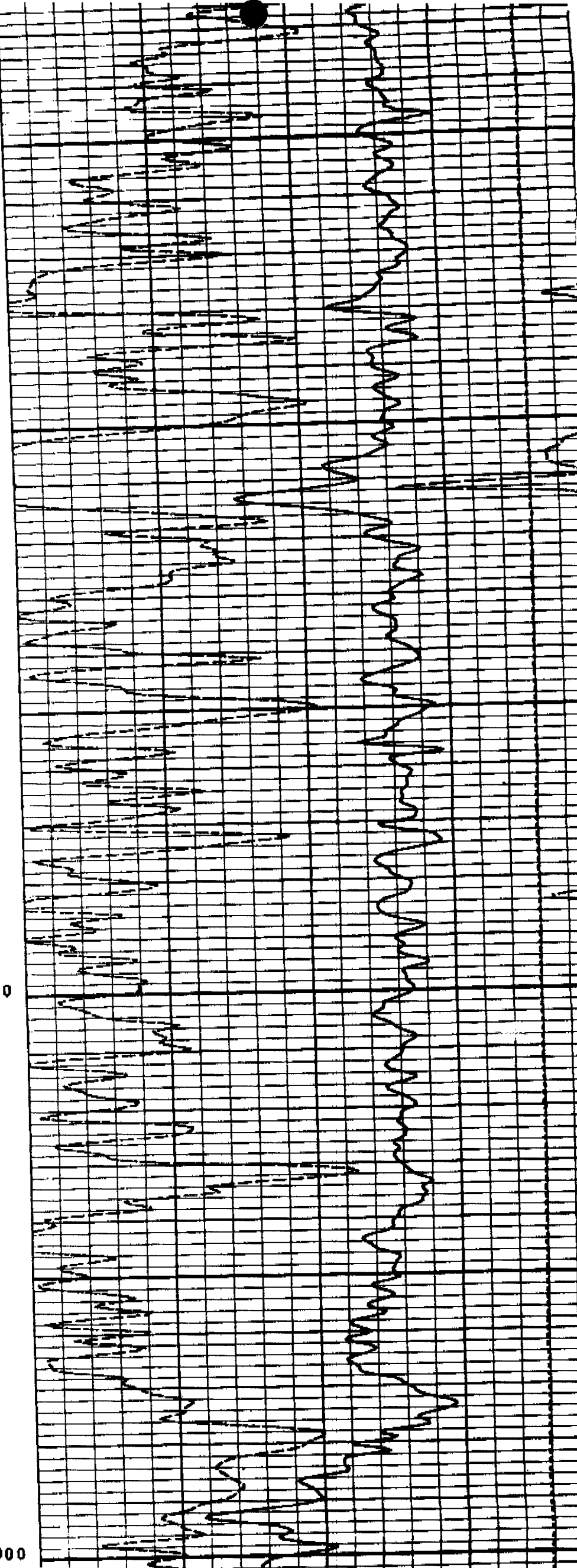
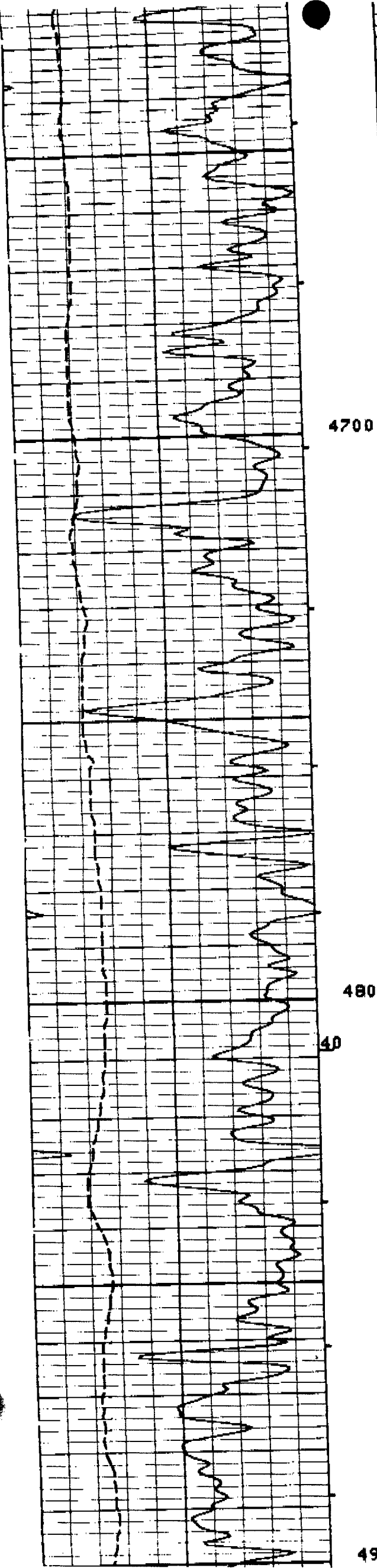
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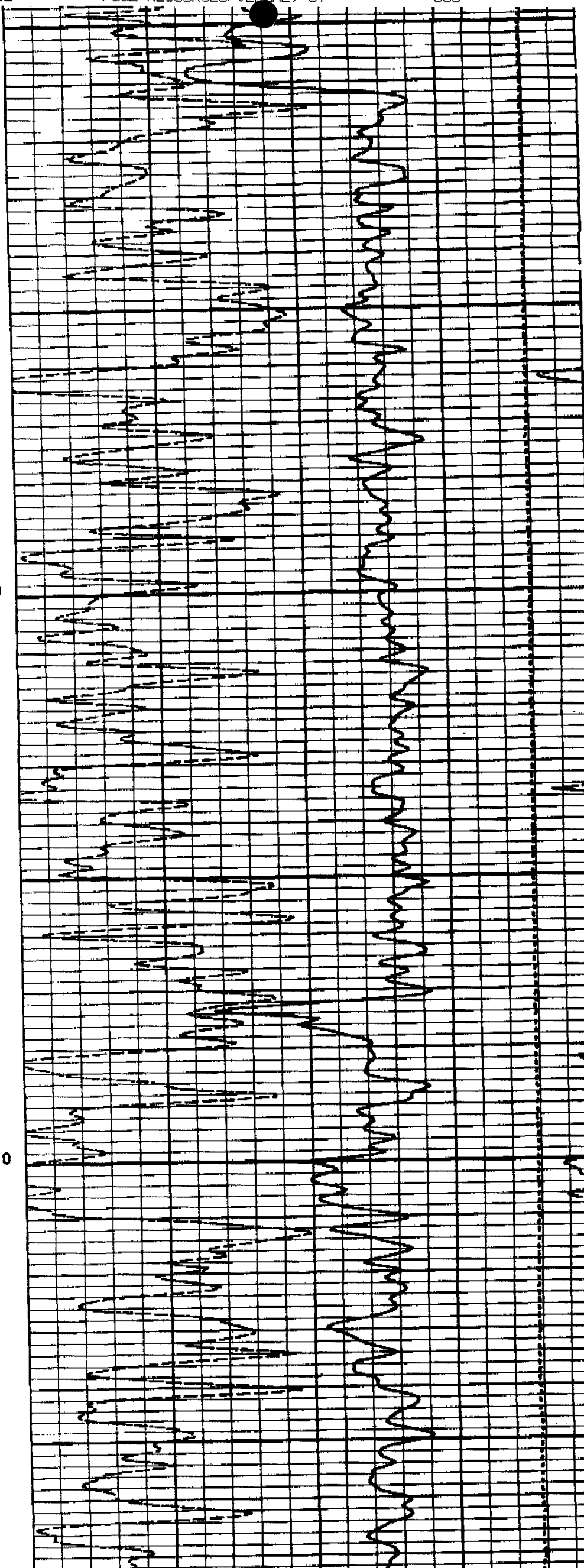
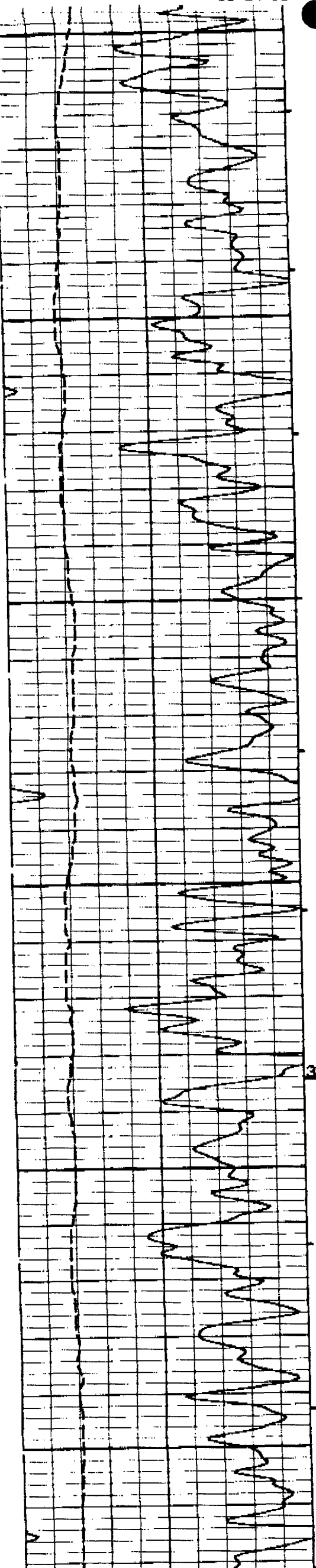


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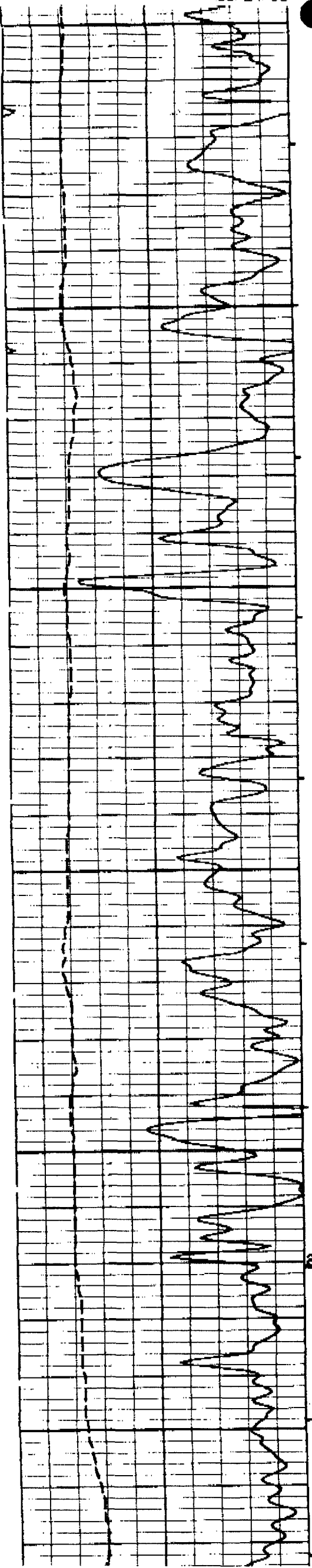


11/24/93

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PG&E RESOURCES/VEPNAL, UT

006

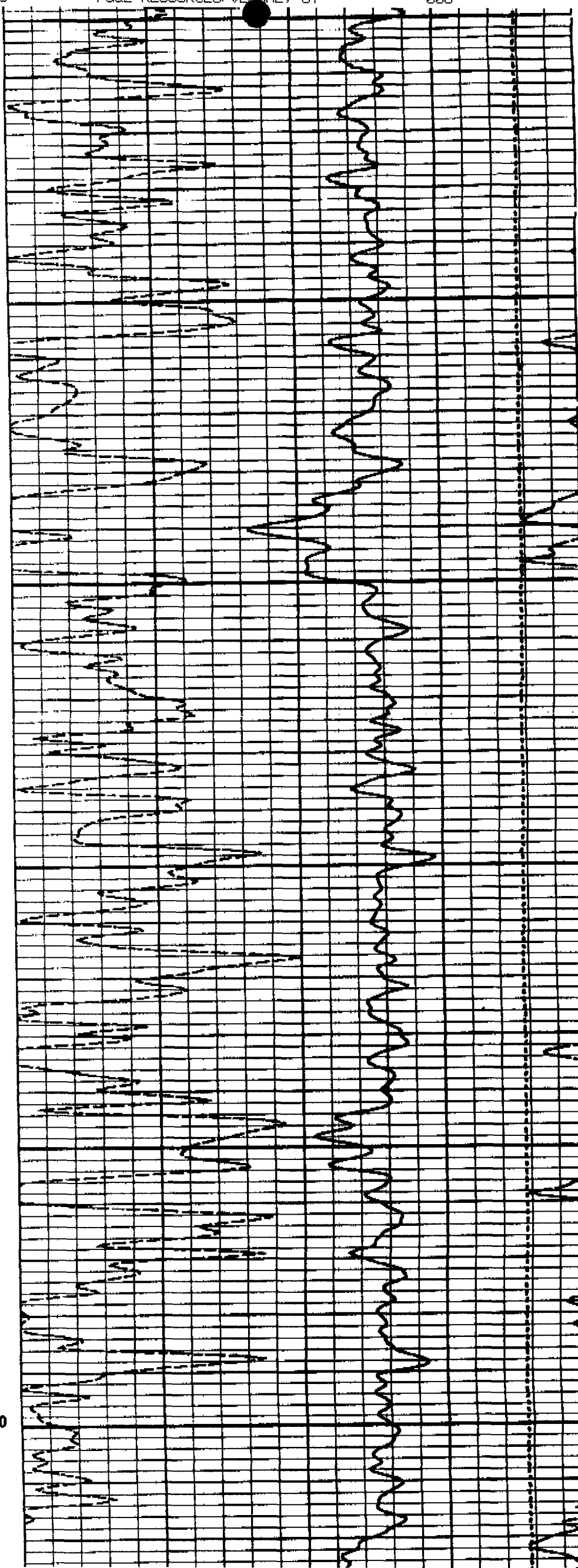


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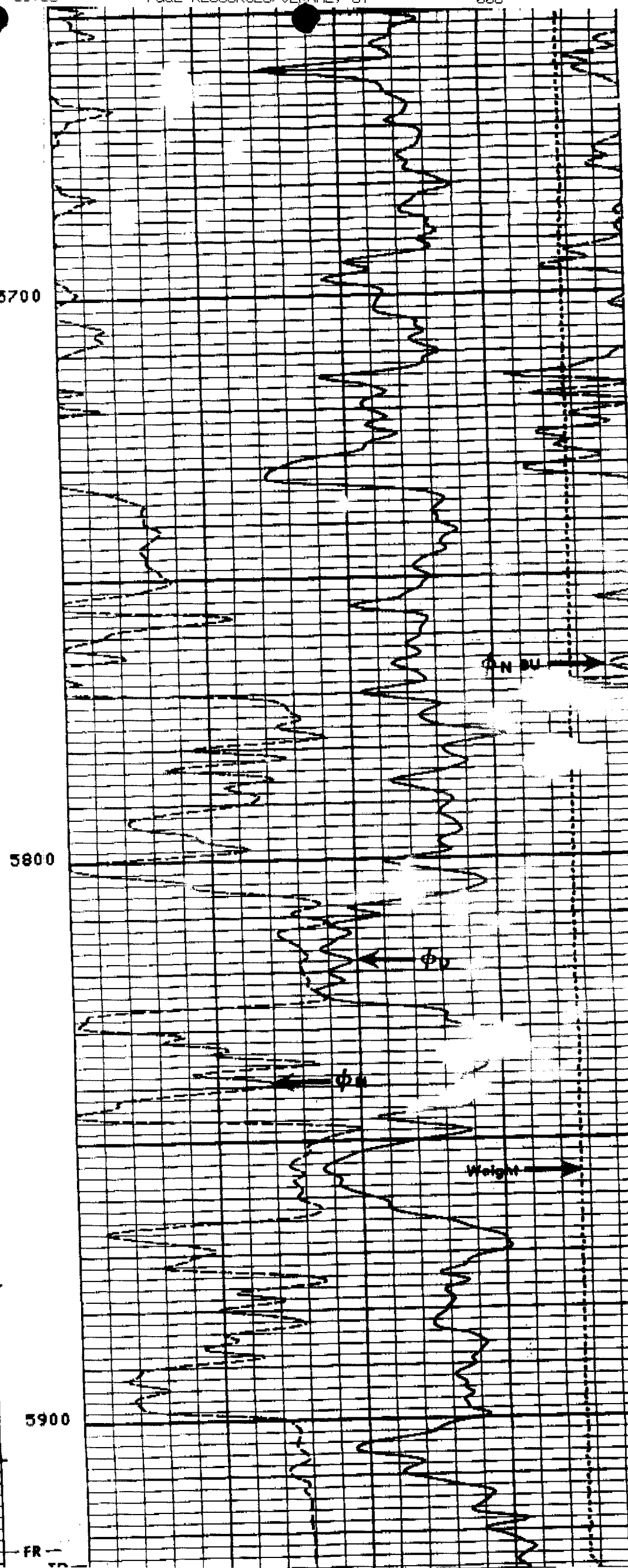
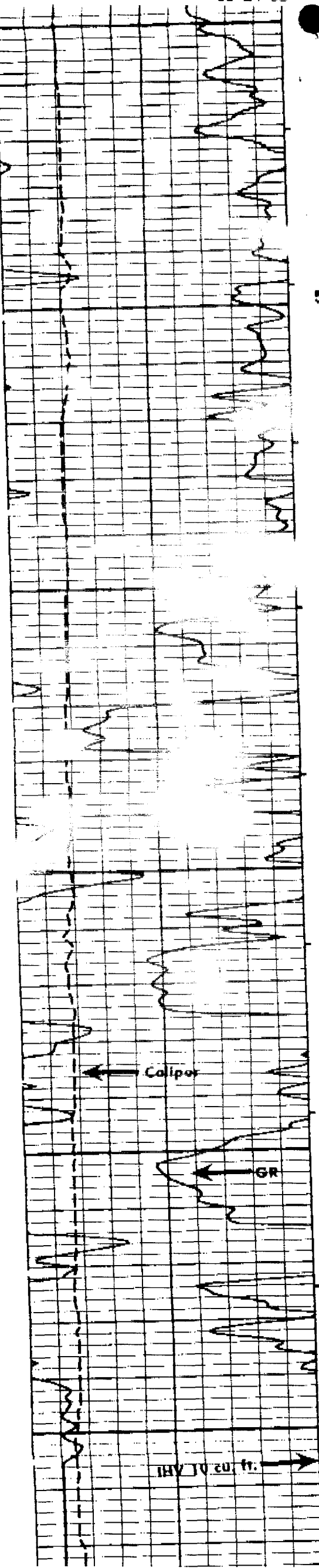


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**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
AMMENDED STATEMENT OF BASIS**

Applicant: Inland Production Company

<u>Well</u>	<u>API Number</u>	<u>Location</u>	<u>Unit</u>
Mon. Butte Fed. 3-25	43-013-31605	25-8S-16E	Mon. Butte NE
Mon. Butte Fed. 13-25	43-013-31513	25-8S-16E	Mon. Butte NE
State 14-32	43-013-31039	32-8S-16E	Wells Draw
Federal 44-33B	43-013-31240	33-8S-16E	Wells Draw
Mon. Butte 5-34	43-013-31499	34-8S-16E	Travis
Mon. Federal 9-34	43-013-31407	34-8S-16E	Monument Butte
Federal 23-34B	43-013-31241	34-8S-16E	Wells Draw
Mon. Federal 15-35	43-013-31264	35-8S-16E	Monument Butte
Mon. Federal 1A-35	43-013-31514	35-8S-16E	Monument Butte
MB 3-35-8-16	43-013-30608	35-8S-16E	Monument Butte
Federal 5-35	43-013-30686	35-8S-16E	Monument Butte
MB 13-35-8-16	43-013-30745	35-8S-16E	Monument Butte
MB 1-36-8-16	43-013-30592	36-8S-16E	Monument Butte
MB 13-36-8-16	43-013-30623	36-8S-16E	Monument Butte
State 5-36	43-013-30624	36-8S-16E	Monument Butte
Mon. Federal 12-25	43-047-32526	25-8S-17E	Humpback
Gilsonite St. 13-32	43-013-31403	32-8S-17E	Gilsonite
Odekirk 7-36-8-17	43-047-33078	36-8S-17E	Odekirk Spring
Mon. Federal 42-1J	43-013-31404	01-9S-16E	Jonah
Federal 41-5G	43-013-31205	05-9S-16E	Wells Draw
Castle Peak Fed. 43-5	43-013-30858	05-9S-16E	Wells Draw
Allen Fed. 1-5A	43-013-15780	05-9S-17E	Jonah
Mon. Fed. 24-6	43-013-31363	06-9S-17E	Jonah
Allen Fed. 1-6	43-013-15779	06-9S-17E	Jonah
Mon. Fed. 33-8	43-013-31427	08-9S-17E	Beluga

The wells listed above are all currently permitted Class II injection wells in the Monument Butte Secondary Recovery area. The wells are located in various secondary recovery units as shown above. Inland has requested approval to open additional perforations in these injection wells. Some of the requested perforations are above existing perforations, some are in the existing perforated interval and some are below the existing perforations. All requested perforations are within the Green River Formation which is the unitized interval for all of the Monument Butte area secondary recovery units. Cement Bond Logs were checked on all wells requesting additional perforations above the original permitted perforations. All wells have adequate

cement above the requested intervals. These requests by Inland are being treated as minor permit modifications and approval is recommended.

Reviewer(s): Brad Hill Date 03/20/2003



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 2, 1993

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-141

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 2, 1993

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-141

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement
Administrative Secretary

Enclosure
WO1168



**PG & E Resources Company
Federal 41-5G, Federal 14-33B, Federal 34-33B,
Federal 14-34B, Federal 32-5G, Federal 43-33B, & Federal 21-4G Wells
Cause No. UIC-141**

Publication Notices were sent to the following:


Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

PG & E Resources Company
6688 N. Central Expressway, #1000
Dallas, Texas 75206-3922

Dan Jackson
U.S. Environmental Protection Agency
Region VIII
999 18th Street
Denver, Colorado 80202-2466



Lisa D. Clement
Administrative Secretary
December 2, 1993

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF PG & E RESOURCES COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-141
FEDERAL 41-5G, FEDERAL 14-33B,	:	
FEDERAL 34-33B, FEDERAL 14-34B,	:	
FEDERAL 32-5G, FEDERAL 43-33B,	:	
& FEDERAL 21-4G WELLS LOCATED IN	:	
SECTIONS 33 & 34, TOWNSHIP 8 SOUTH,	:	
RANGE 16 EAST, AND SECTIONS 4 & 5,	:	
TOWNSHIP 9 SOUTH, RANGE 16 EAST,	:	
S.L.M., DUCHESNE COUNTY, UTAH, AS	:	
CLASS II INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of PG & E Resources Company for administrative approval of the Federal 41-5G, Federal 14-33B, Federal 34-33B, Federal 14-34B, Federal 32-5G, Federal 43-33B, and Federal 21-4G Wells, located in Sections 33 & 34, Township 8 South, Range 16 East, and Sections 4 & 5, Township 9 South, Range 16 East, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Approval has been requested to inject water for the purpose of water flooding in the interval from 4352 feet to 6282 feet (Green River Formation). The average injection pressure is estimated to be 2000 psig or less with a maximum requested injection pressure of 2145 psig. The estimated injection volume will be approximately 400 barrels of water per day.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 1st day of December, 1993.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: PG&E Resources **Location:** Wells Draw Waterflood Project

Wells: Federal 41-5G, 14-33B, 34-33B, 14-34B, 32-5G, 43-33B, 21-4G

Ownership Issues: The proposed project is located in sections 33 and 34, township 8 south, range 16 east, and sections 4 and 5 of township 9 south range 16 east Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. PG&E Resources has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The seven wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 6000 feet - 6500 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4352-6282 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 15 producing wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 200-300 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .82 psi/ft resulting in a maximum allowed surface pressure of 2145 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: PG&E Resources is in the process of forming a federal waterflood unit. All interested parties have been notified. The Division

does have concerns as to some of the intervals that are perforated for injection. In reviewing cross sections submitted by PGE it appears that a number of perforated intervals in the injection wells are not perforated in the offset producing wells. An additional concern is that offset acreage which may be laterally continuous with the flooded zones has been excluded from the project. These concerns need to be addressed when PGE presents information to the board.

Bonding: PG&E Resources is the operator of all wells within the project and is bonded by the Federal Government.

Actions Taken and Further Approvals Needed: A public notice needs to be published in both the Salt Lake Tribune and the Uinta Basin Standard. Board approval of the project needs to be obtained and BLM approval of the unit is needed. The applications for the injection wells are technically complete. A compatibility analysis needs to be submitted. A casing pressure test needs to be conducted when the well is converted and a casing/tubing pressure test run prior to injection. A step rate test should be run once the wells have injected and stabilized to verify fracture gradient information.

DJJ
Reviewers

11-30-93
Date

036667610110100000000000000014104181477787212212111111111111125215

AFFIDAVIT OF PUBLICATION

County of Duchesne,

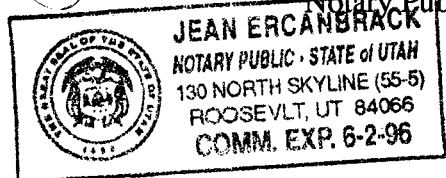
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 14 day of Dec, 1993, and that the last publication of such notice was in the issue of such newspaper dated the 14 day of Dec, 1993.

Subscribed and sworn to before me this

17 day of Dec, 1993

Jean Ercanbrack



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-141
IN THE MATTER OF
THE APPLICATION OF
PG & E RESOURCES
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE FED-
ERAL 41-5G, FEDERAL
14-33B, FEDERAL 34-
33B, FEDERAL 43-34B,
FEDERAL 32-5G, FED-
ERAL 43-33B, & FED-
ERAL 21-4G WELLS
LOCATED IN SEC-
TIONS 33 & 34, TOWN-
SHIP 8 SOUTH, RANGE
16 EAST, AND SEC-
TIONS 4 & 5, TOWN-
SHIP 9 SOUTH, RANGE
16 EAST, S.L.M.,
DUCHESE COUNTY,
UTAH, AS CLASS II IN-
JECTION WELLS

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED IN
THE ABOVE EN-
TITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of PG & E Resources Company for administrative approval of the Federal 41-5G, Federal 14-33B, Federal 34-33B, Federal 14-34B, Federal 32-5G, Federal 43-33B, and Federal 21-4G Wells, located in Sections 33 & 34, Township 8 South, Range 16 East, and Sections 4 & 5, Township 9 South, Range 16 East, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

DEC 22 1993

DIVISION OF
OIL, GAS & MINING

Approval has been requested to inject water for the purpose of water flooding in the interval from 4352 feet to 6282 feet (Green River Formation). The average injection pressure is estimated to be 2000 psig or less with a maximum requested injection pressure of 2145 psig. The estimated injection volume will be approximately 400 barrels of water per day.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 1st day of December, 1993

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING, R.J.
Firth, Associate Director,
Oil and Gas
Published in the Uintah
Basin December 14, 1993

100



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 31, 1994

PG & E Resources Company
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

Re: Wells Draw Unit 41-5G, 14-33B, 34-33B, 14-34B, 32-5G, 43-33B, and 21-4G
Wells, Sections 33 & 34, Township 8 South, Range 16 East, and Sections 4 &
5, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the completed applications submitted.

Following completion of all well conversion work, pressure testing operations and submittal of the results to the Division; a final UIC permit will be issued. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,


R.J. Firth
Associate Director

ldc

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management

W602



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

7 1
516' FEL & 631' FNL NE/4 SW/4 Section 5, T9S-R16E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PG&E Resources Company requests approval to convert the Federal 41-5-G well to a water injection well as shown on the attached procedure. A wellbore diagram is also attached for your information.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 2-15-94
BY: [Signature]

RECEIVED

JAN 24 1994

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title Sr. Regulatory Analyst

Date 01/28/1994

(This space for Federal or State official approval of this
Action is Necessary)

Approved by

Title

Date

Conditions of approval, if any:

TEST BANKSIDE TO 1000# PRIOR TO INJECTION.

FEDERAL 41-5-G
WELLS DRAW UNIT
DUCHESNE COUNTY, UTAH

CONVERSION TO WATER INJECTION

1. MIRU WORKOVER RIG.
2. POH W/RODS & 2-3/8" TBG.
3. GIH W/BAKER MODEL "C" RBP ON WIRELINE & SET @4460'. SPOT 2SX SAND ON BP STINGER.
4. GIH W/CMT RETAINER ON 2-3/8" TBG & SET @4380'.
5. SQZ PERFS 4415' - 4429' W/100SX CLASS "G" CMT.
6. STING OUT OF RETAINER & POH.
7. WOC 24 HRS.
8. RIH W/4-3/4" RB & 4 DC'S ON 2-3/8" TBG. DRLG OUT CMT & CIRC HOLE CLEAN.
9. TEST SQZ TO 500 PSI.
10. POH W/2-3/8" TBG.
11. RUN 2-3/8" TBG W/RET HD. LATCH RBP & POH.
12. RUN BAKER TENSION PKR ON 2-3/8" COATED INJ TBG. SET PKR @4380'.
13. LOAD BACKSIDE W/INHIBITED WTR & PKR FLUID.
14. PUMP BACKSIDE TO 500 PSI TO TEST.
15. PUT ON INJECTION.
16. RELEASE RIG.

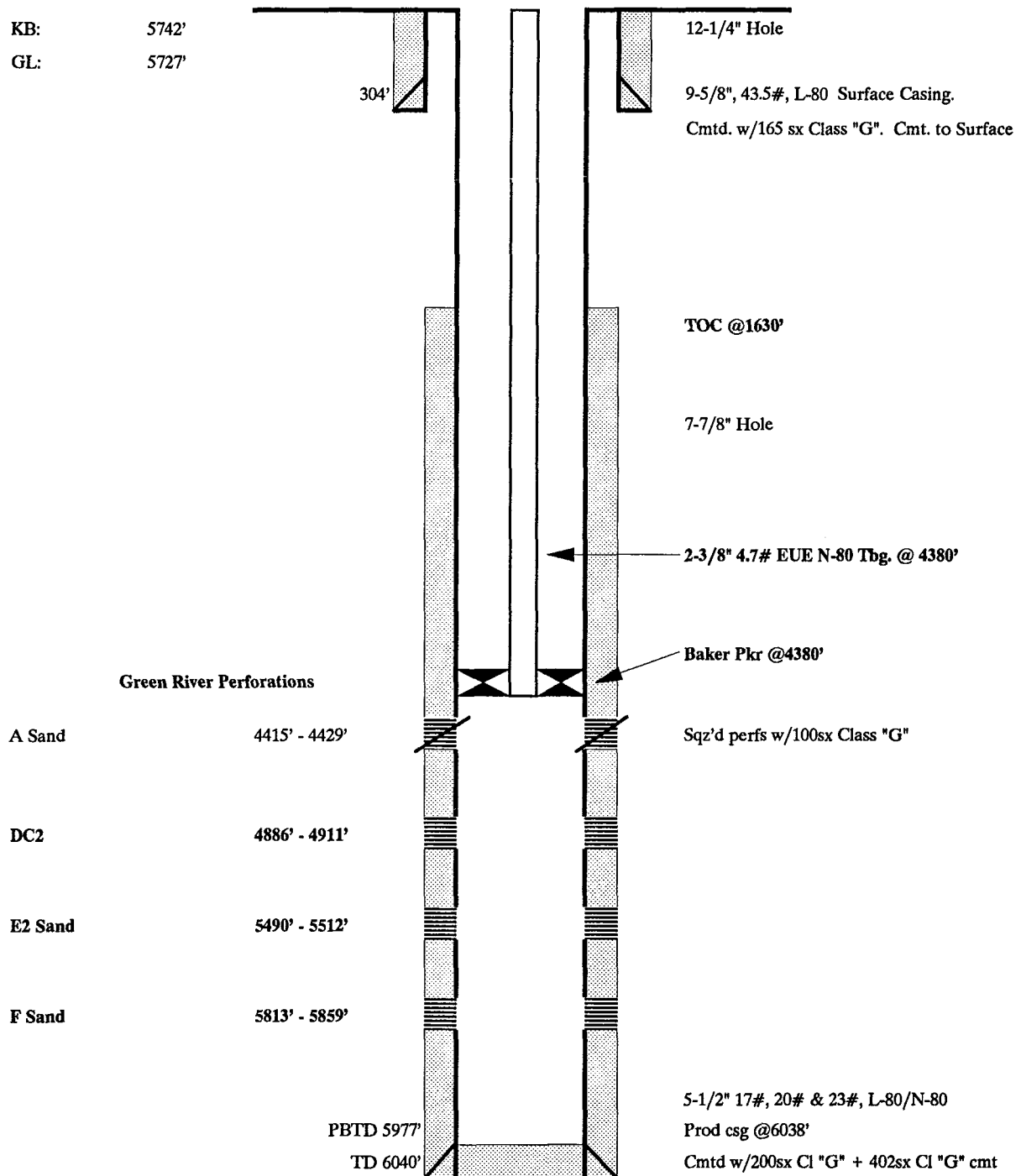
FEDERAL 41-5G

WELLS DRAW UNIT Duchesne County, Utah PROPOSED WIW

Spud: 3/24/88
TD Date: 4/1/88
Compl. Date: 4/27/88

Sec. 5, T9S-R16E
NE/4 SW/4

KB: 5742'
GL: 5727'



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 3 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PRODUCTION DEPT
 PG&E RESOURCES COMPANY
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N0595REPORT PERIOD (MONTH/YEAR): 8 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ FEDERAL 41-5-G								
4301331205	10859	09S 16E 5	GRRV			✓ 1130096	(wells draw GRRV Unit)	
✓ FEDERAL 23-9-H								
4301331206	10868	09S 17E 9	GRRV			✓ 1150750		
✓ FEDERAL 24-33-B								
4301331214	10913	08S 16E 33	GRRV			✓ 1149092	(wells draw GRRV Unit)	
✓ FEDERAL 31-4-G								
4301331228	10979	09S 16E 4	GRRV			✓ 1130096	(wells draw GRRV Unit)	
✓ FEDERAL 14-34-B								
4301331225	10980	08S 16E 34	GRRV			✓ 1147171	(wells draw GRRV Unit)	
✓ FEDERAL 14-33-B								
4301331229	10988	08S 16E 33	GRRV			✓ 1149092	(wells draw GRRV Unit)	
✓ FEDERAL 43-33-B								
4301331240	11007	08S 16E 33	GRRV			✓ "	(wells draw GRRV Unit)	
✓ FEDERAL 23-34-B								
4301331241	11041	08S 16E 34	GRRV			✓ 1147171	(wells draw GRRV Unit)	
✓ FEDERAL 11-4-G								
4301331250	11046	09S 16E 4	GRRV			✓ 1130096	(wells draw GRRV Unit)	
✓ FEDERAL 23-33-B								
4301331251	11047	08S 16E 33	GRRV			✓ 1149092	(wells draw GRRV Unit)	
✓ FEDERAL 31-5-G								
4301331252	11054	09S 16E 5	GRRV			✓ 1130096	(wells draw GRRV Unit)	
✓ FEDERAL 34-33-B								
4301331269	11079	08S 16E 33	GRRV			✓ 1149092	(wells draw GRRV Unit)	
✓ FEDERAL 44-33-B								
4301331270	11084	08S 16E 33	GRRV			✓ "	(wells draw GRRV Unit)	
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

DALEN Resources
Oil & Gas Co.



October 5, 1994

OCT 11

Lisha Romero
State Oil & Gas Office
3 Triad Center
Salt Lake City, Utah 84180-1203

Re: Company Name Change

Dear Ms. Romero:

PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. We are requesting a blanket change for all of PG&E Resources Company's properties to:

DALEN Resources Oil & Gas Co.
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

This change is effective October 1, 1994 for all records and reports filed in all districts throughout the state of Utah. I have included a listing of our Utah properties.

Also enclosed is a copy of the Certificate of the Secretary of State of Delaware regarding the name change to DALEN Resources Oil & Gas Co.

If you have any questions regarding this matter, please contact me at (214) 706-3678.

Sincerely,

A handwritten signature in cursive script that reads "Jim Johnson".

Jim Johnson
Regulatory Analyst

JJ/sw
Enclosures

cc: Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

WELL NAME	LOCATION	SEC-TWNSHIP-RANGE	COUNTY	LEASE NUMBER	API NO.
✓ Govt. Fowler #20-1	NW/4 NW/4	20-9S-17E	Duchesne	U-13905	43-013-30563
✓ Federal #19-1	NW/4 NW/4	19-9S-17E	Duchesne	U-13905	43013-30587
✓ Federal #41-30-H	NE/4 NE/4	30-9S-17E	Duchesne	U-11385	43-013-30601
✓ Federal #21-15-H	NE/4 NW/4	15-9S-17E	Duchesne	U-11385	43-013-30614
✓ State #11-16 (PA'd 5/90)	NW/4 NW/4	16-9S-17E	Duchesne	ML-21844	43-013-30616
✓ Federal #42-4	SE/4 NE/4	4-9S-16E	Duchesne	U-30096	43-013-30638
✓ Federal #13-9-H	NW/4 SW/4	9-9S-17E	Duchesne	U-37810	43-013-30656
✓ Federal #32-5-G	SW/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-30670
✓ Federal #31-8-H	NW/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30679
✓ Federal #12-8-H	SW/4 NW/4	8-9S-17E	Duchesne	U-10760	43-013-30680
✓ Federal #24-15-H	SE/4 SW/4	15-9S-17E	Duchesne	U-10760	43-013-30681
✓ Federal #24-9-H	SE/4 SW/4	9-9S-17E	Duchesne	U-50750	43-013-30682
✓ Federal #21-5-G	NE/4 NW/4	5-9S-16E	Duchesne	U-30096	43-013-30698
✓ Federal #12-4-G	SW/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-30699
✓ NGC #41-8-H	NE/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30741
✓ Federal #42-8-H (PA'd 5/90)	SE/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30678
✓ NGC #11-9-H	NW/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-30887
✓ Federal #12-9-H	SW/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-30983
✓ Federal #22-9-H	SE/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-31049
✓ Federal #41-5-G	NE/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-31205
✓ Federal #23-9-H	NE/4 SW/4	9-9S-17E	Duchesne	U-50750	43-013-31206
✓ Federal #23-5-G	NE/4 SW/4	5-9S-16E	Duchesne	U-30096	43-013-31207
✓ Federal #24-33-B	SE/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31214
✓ Federal #14-34-B	SW/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31225
✓ Federal #31-4-G	NW/4 NE/4	4-9S-16E	Duchesne	U-30096	43-013-31228
✓ Federal #14-33-B	SW/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31229
✓ Federal #43-33-B	NE/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31240
✓ Federal #23-34-B	NE/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31241
✓ Federal #11-4-G	NW/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-31250


State of Delaware
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"PG&E RESOURCES OFFSHORE COMPANY", A DELAWARE CORPORATION,
WITH AND INTO "PG&E RESOURCES COMPANY" UNDER THE NAME OF
"DALEN RESOURCES OIL & GAS CO.", A CORPORATION ORGANIZED AND
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED
AND FILED IN THIS OFFICE THE NINETEENTH DAY OF SEPTEMBER, A.D.
1994, AT 1:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO
THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.





Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 17 1994

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well



Oil
Well



Gas
Well



Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

516' FEL & 632' FNL NE/4 SW/4 Section 5, T9S-R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other Conversion to WIW



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached daily conversion workover report.

14. I hereby certify that the foregoing is true and correct

Signed

Cindy B. Feister

Title

Supervisor Regulatory Compliance

Date

10/14/1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL HISTORY

Federal 41-5G
Wells Draw Field
(DALEN Resources Operated)

10-07-94 MIRU & unseat down hole pump.

10-08-94 Hot wtr down tbg with 45 SW. POOH with rods & pump, NU BOPE & POOH with tbg - dragging TA (suspect paraffin). RIH with RBP & pkr on 2-7/8" tbg, set BP at 4496' & test to 1000 psi (ok), set pkr at 4195'. Estab inj rate of ½ BPM at 2200 psi into perfs (ISIP 2100 psi). Move pkr to 4135'. M&P 25 sx Class G cmt into perfs 4415-29', sqz to 2400 psi. Reverse out, pull tbg to 3895', press cmt to 1500 psi over night.

10-09-94 No report.

10-10-94 POOH with pkr, PU bit & BHA. GIH on 2-7/8" tbg to 4250' (TOC) & start drill firm to soft cmt at 4418' in soft cmt, bit started bouncing. POOH for bit check, outer rows of teeth on bit are balled up. Will clean up bit & re-run.

10-11-94 Re-dress 4¾" RB & GIH with same & csg scraper on 2-7/8" tbg. Fin drilling out cmt, wash sand off BP stinger. Test sqz'd perfs 4415-29' to 550 psi (ok). POOH, GIH with retrieving head on 2-7/8" tbg, engage BP at 4496'. Pump hot wtr down tbg & circ out paraffin from csg. POOH with BP & tbg.

10-12-94 POOH with 2-7/8" WS. RIH with 2-7/8" int CTD inj tbg. (Ceramcote 54) with coated Miller AD-1 Ten pkr; drop SV & test tbg to 2000 psi - ok. Circ inhibited wtr around pkr; set pkr at 4825'. Test csg to 1000 psi - ok. RR.

10-13-94 No report.

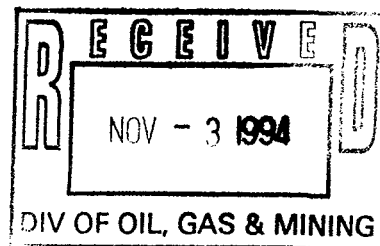
DALEN Resources
Oil & Gas Co.



October 31, 1994

Kent E. Johnson
Vice President
Exploration/Development

STATE OF UTAH NATURAL RESOURCES
OIL & GAS MINING
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attn: Gil Hunt



Re: Name Change
PG&E Resources Company

Gentlemen:

Effective October 1, 1994, PG&E Resources Company (PG&ER) changed its name to **DALEN** Resources Oil & Gas Co. As a result of this action, all activities previously conducted in the name of PG&E Resources Company will subsequently be conducted by **DALEN** Resources Oil & Gas Co.. No changes in ownership, personnel, office address, telephone numbers, or business practices were caused by this name change.

Please revise your records by replacing PG&E Resources Company or PG&E Resources Offshore Company with **DALEN** Resources Oil & Gas Co.

Very truly yours,

A handwritten signature in cursive script that reads "John R. Wingert".

John R. Wingert
Exploration Manager
Northern Division

JRW:lkd

Bureau of Land Management
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

3100
U-01470A
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

DALEN Resources Oil & Gas Co.	:	
6688 N. Central Expwy., #1000	:	Oil and Gas
Dallas, Texas 75206	:	U-01470A et al

Corporate Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of PG&E Resources Company to DALEN Resources Oil & Gas Co. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this decision. If additional documentation for changes of operator are required by our field offices, you will be contacted by them.

A rider to the Nationwide Bond No. U1870111 (BLM Bond No. WY2554) has been filed in the Wyoming State Office, in order to change the name of the principal on the bond. It has been examined and found to be satisfactory by that office.

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

Enclosure
Exhibit

bc: Moab District Office w/encl.
Vernal District Office w/encl.
MMS-Data Management Division, Denver
UT-922 (Teresa Thompson) w/encl.

Post-It™ brand fax transmittal memo 7671		# of pages	2
To	LISA CARDONA	From	CHRIS MERRITT
Co.	STATE OF UTAH	Co.	BLM
Dept.	OIL & GAS	Phone #	539-4109
Fax #	359-3940	Fax #	539-4260

CMerritt:dab 11/25/94 (U01470A)

List of Leases Affected

U-01470A	U-6632	UTU-65615	UTU-68631
U-01790	U-6634	UTU-66004	UTU-69024
U-02896A	U-7206	UTU-66027	UTU-69166
U-03505	U-10291	UTU-66033	UTU-69482
U-03576	U-10760	UTU-66184	UTU-69744
U-013429A	U-11385	UTU-66185	UTU-72104
U-013765	U-12942	UTU-66187	UTU-73087
U-013766	U-13905	UTU-66193	UTU-73089
U-013767	U-14236	UTU-66484	UTU-73433
U-013769	U-15392	UTU-66743	UTU-73512
U-013769A	U-16172	UTU-67168	U-47453 ROW
U-013769B	U-16535	UTU-67841	U-49204 ROW
U-013769C	U-16539	UTU-67857	U-49205 ROW
U-013792	U-16544	UTU-67996	U-49223 ROW
U-013793	U-17036	UTU-67997	U-49236 ROW
U-013793A	U-17424	UTU-68108	U-49243 ROW
U-013794	U-19267	UTU-68109	U-50487 ROW
U-013818A	U-30096	UTU-68316	U-50488 ROW
U-013820	U-39221	UTU-68328	U-50497 ROW
U-013821A	U-39713	UTU-68330	U-50806 ROW
U-017713	U-39714	UTU-68338	U-50809 ROW
U-035316	U-40026	UTU-68346	U-50825 ROW
U-037164	U-46825	UTU-68347	U-50833 ROW
U-0141644	U-47171	UTU-68348	U-53910 ROW
U-0143519	U-49092	UTU-68388	U-54803 ROW
U-0143520A	U-50750	UTU-68402	U-61946 ROW
U-0143521A	U-52765	UTU-68544	U-63969 ROW
U-0147541	U-55626	UTU-68548	UTU-69111 ROW
U-0147541A	U-58546	UTU-68619	
U-2838	U-61052	UTU-68624	
U-6610	U-61189	UTU-68625	
U-6612	U-62657	UTU-68626	
U-6615	UTU-65218	UTU-68627	

U-034217A *Confirmed BLM/SL
11-29-94. Jc

**CERTIFICATE OF OWNERSHIP
AND MERGER**

MERGING

**PG&E Resources Offshore Company
a Delaware corporation**

INTO

**PG&E Resources Company
a Delaware corporation**

**(Pursuant to Section 253 of the General Corporation
Law of the State of Delaware)**

PG&E Resources Company, a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware ("Resources"), does hereby certify:

FIRST: That Resources and PG&E Resources Offshore Company ("Offshore") are corporations duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

SECOND: That Resources owns all of the outstanding shares of the capital stock of Offshore.

THIRD: That the board of directors of Resources adopted the following resolutions by unanimous written consent on September 16, 1994, and that such resolutions have not been rescinded and are in full force and effect on the date hereof:

"RESOLVED, that PG&E Resources Offshore Company, a Delaware corporation ("Offshore"), which is a wholly-owned subsidiary of Resources, merge with and into Resources pursuant to Section 253 of the General Corporation Law of the State of Delaware (the "Merger"), effective as of 9:00 A.M., Wilmington, Delaware time, on October 1, 1994, and that Resources assume all of the obligations of Offshore at such time;

RESOLVED, that upon the effective time of the Merger the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."; and

RESOLVED, that the President or any Vice President of Resources are hereby authorized and empowered to file with the Secretary of State of the State of Delaware a certificate of ownership and merger to effect the Merger and the name change of the surviving corporation, and the appropriate officers of Resources are hereby authorized to incur the necessary expenses therefor and to take, or cause to be taken, all such further action and to execute and deliver

or cause to be executed and delivered, in the name of and on behalf of Resources, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of Resources (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

FOURTH: This Certificate shall not be effective upon its filing date, but shall become effective at 9:00 A.M., Wilmington, Delaware time, on October 1, 1994 (the "Effective Date").

FIFTH: Upon the Effective Date, the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."

IT WITNESS WHEREOF, Resources has caused this Certificate to be signed by its duly authorized officer this 19th day of September 1994.

PG&E RESOURCES COMPANY

By Joseph T. Williams
Name: Joseph T. Williams
Title: President

034

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF OIL, GAS & MINING

Well name and number: Federal #41-5G

Field or Unit name: Monument Butte Field API no. 43-013-31205

Well location: QQ NE SW section 5 township 9S range 16E county Duchesne

Effective Date of Transfer: 10/1/94

CURRENT OPERATOR

Transfer approved by:

Name Jim Johnson

Company PG&E Resources Company

Signature Jim Johnson

Address 6688 N. Central Expwy, Suite 1000

Title Regulatory Analyst

Dallas, Texas 75206-3922

Date November 30, 1994

Phone (214) 706-3678

Comments: PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. effective 10/1/94.

NEW OPERATOR

Transfer approved by:

Name Jim Johnson

Company DALEN Resources Oil & Gas Co.

Signature Jim Johnson

Address 6688 N. Central Expwy, Suite 1000

Title Regulatory Analyst

Dallas, Texas 75206-3922

Date November 30, 1994

Phone (214) 706-3678

Comments:

(State use only)

Transfer approved by [Signature]

Title Environ. Manager

Approval Date 12-6-94 Conversion Letter 1/31/94

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells
Use APPLICATION FOR PERMIT--for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (Specify) WIW		6. Lease Designation and Serial Number U-30096 7. Indian Allottee or Tribe Name NA 8. Unit or Communization Agreement Wells Draw Unit
2. Name of Operator DALEN Resources Oil & Gas Co.		9. Well Name and Number Federal 41-5-G
3. Address of Operator 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206	4. Telephone Number (214) 750-3800	10. API Well Number 43-013-31205 11. Field and Pool, or Wildcat Monument Butte
5. Location of Well Footage : 517' FEL & 632' FNL NE/4 SW/4 QQ. Sec, T., R., M. : Section 5, T9S-R16E		County : Duchesne State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
NOTICE OF INTENT (Submit in Duplicate) <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		SUBSEQUENT REPORT (Submit in Duplicate) <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input checked="" type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Test</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Test casing</u></td> <td></td> </tr> </table> <p>Date of Work Completion <u>10/12/94</u></p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</p>	<input checked="" type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Test casing</u>	
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<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Test casing</u>																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

DALEN Resources tested the casing to 1000 psi on 10/21/94 as shown on the attached report.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister  Title Supervisor Regulatory Compliance Date 11/28/1994

(State Use Only)

CC: BLM - Vernal

WELL HISTORY

Federal 41-5G
Wells Draw Field
(DALEN Resources Operated)

10-07-94 MIRU & unseat down hole pump.

10-08-94 Hot wtr down tbg with 45 SW. POOH with rods & pump, NU BOPE & POOH with tbg - dragging TA (suspect paraffin). RIH with RBP & pkr on 2-7/8" tbg, set BP at 4496' & test to 1000 psi (ok), set pkr at 4195'. Estab inj rate of ½ BPM at 2200 psi into perfs (ISIP 2100 psi). Move pkr to 4135'. M&P 25 sx Class G cmt into perfs 4415-29', sqz to 2400 psi. Reverse out, pull tbg to 3895', press cmt to 1500 psi over night.

10-09-94 No report.

10-10-94 POOH with pkr, PU bit & BHA. GIH on 2-7/8" tbg to 4250' (TOC) & start drill firm to soft cmt at 4418' in soft cmt, bit started bouncing. POOH for bit check, outer rows of teeth on bit are balled up. Will clean up bit & re-run.

10-11-94 Re-dress 4¾" RB & GIH with same & csg scraper on 2-7/8" tbg. Fin drilling out cmt, wash sand off BP stinger. Test sqz'd perfs 4415-29' to 550 psi (ok). POOH, GIH with retrieving head on 2-7/8" tbg, engage BP at 4496'. Pump hot wtr down tbg & circ out paraffin from csg. POOH with BP & tbg.

10-12-94 POOH with 2-7/8" WS. RIH with 2-7/8" int CTD inj tbg. (Ceramcote 54) with coated Miller AD-1 Ten pkr; drop SV & test tbg to 2000 psi - ok. Circ inhibited wtr around pkr; set pkr at 4825'. Test csg to 1000 psi - ok. RR.

10-13-94 No report.

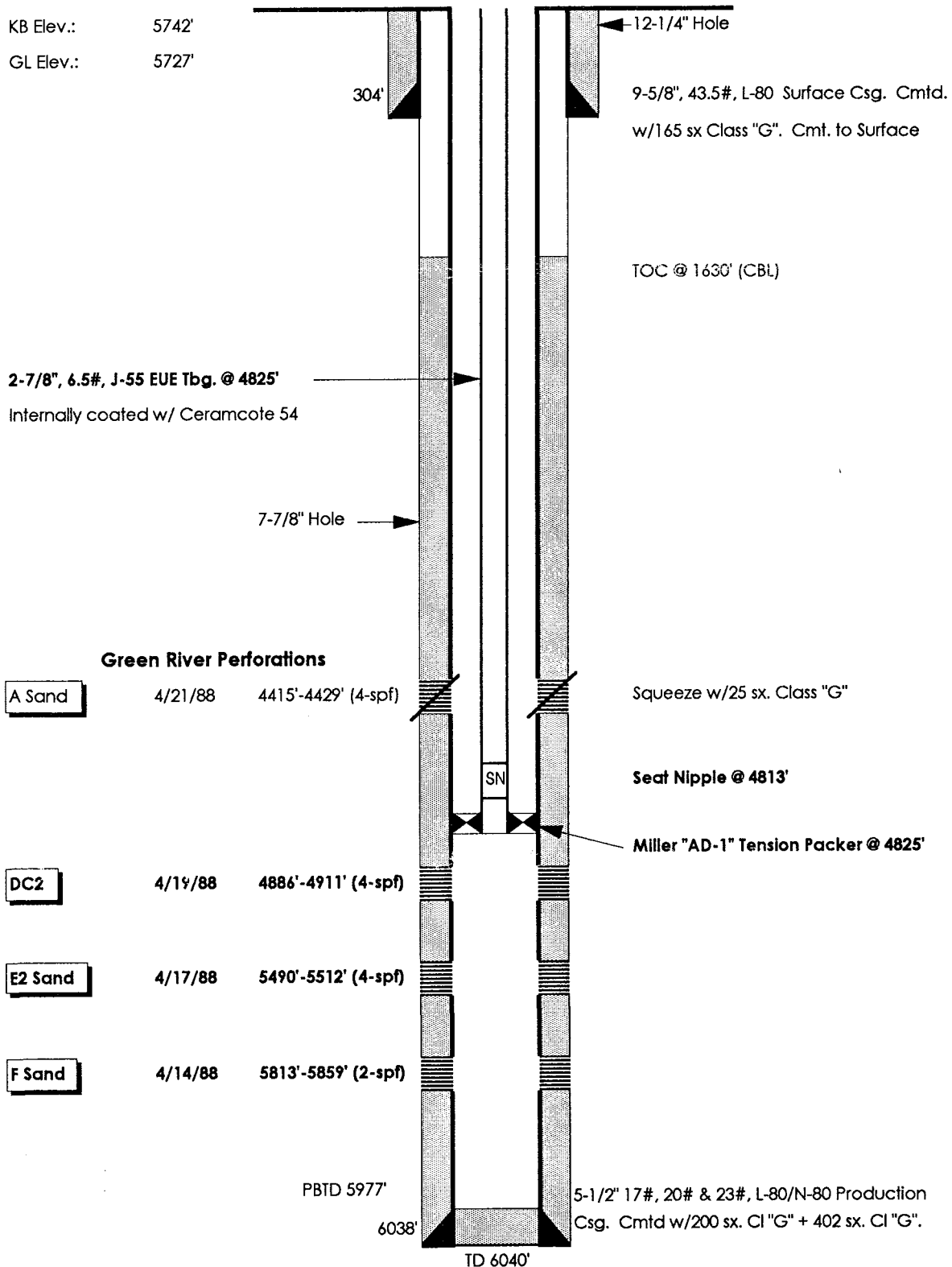
FEDERAL 41-5G WIW

WELLS DRAW UNIT Duchesne County, Utah

Spud date: 3/24/88
TD Date: 4/1/88
Compl. Date: 4/27/88
Conversion Dt: 10/12/94

Sec. 5-T9S-R16E
516' FEL & 632' FNL
NE/4 SW/4

KB Elev.: 5742'
GL Elev.: 5727'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Wells Draw

8. FARM OR LEASE NAME
Federal

9. WELL NO.
41-5-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Section 5, T9S-R16E

1a. TYPE OF WELL: OIL ☐ GAS ☐ DRY ☐ Other WIW
b. TYPE OF COMPLETION: NEW ☐ WORK ☒ DEEP- ☐ PLUG ☐ DIFF. ☐ Other ☐
WELL OVER EN BACK RESVR

2. NAME OF OPERATOR

DALEN Resources Oil & Gas Co.

3. ADDRESS OF OPERATOR

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. LOCATION OF (Report location clearly and in accordance with any State requirements)*

At surface 516' FEL & 632' FNL NE/4 SW/4
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO.

43-013-31205

DATE ISSUED

02/04/88

12. COUNTY OR

PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED
03/24/88

16. DATE T.D. REACHED
04/01/88

17. DATE COMPL. (Ready to prod.)
10/12/94

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5742' RKB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
6,040'

21. PLUG, BACK T.D., MD & TVD
5,977'

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

XX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River: DC2 - 4886' - 4911'; E2 - 5490' - 5512'; F - 5813' - 5859'

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/SFL/FDC/CNL/CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
9-5/8"	43.5#	304'	12-1/4"	165sx Class "G" w/additives	0
5-1/2"	17#/20#/23#	6038'	7-7/8"	602sx Class "G" w/additives	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4825'	4825'

30. TUBING RECORD


31. PERFORATION RECORD (Interval, size and number)

4886' - 4911' 4 SPF 0.45"
5490' - 5512' 4 SPF 0.45"
5813' - 5859' 2 SPF 0.45"

32. ACID, SHOT, FRACTURE, CEMENT

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4415' - 4429'	Squeeze w/25sx cmt

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
						Shut-In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
							
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

WIW shut-in pending completion of construction of waterflood facilities.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Condy B. Seista

TITLE Supervisor Regulatory Compliance

DATE

12/21/1994

*(See Instructions and Spaces For Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

38.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Uintah		Surface
				Green River		1738'
				Oil Shale Facies		2840'
				Douglas Creek		4861'
				Basal Green River		6040'

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1. SEC / GIL
2. LWP 7-PL
3. DTS-8-SJ
4. VLC-9-FILE
5. RJF
6. LWP

XXX Change of Operator (~~well sold~~)

☐ Designation of Agent

☐ Designation of Operator

XXX Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-94)

TO (new operator)	DALEN RESOURCES OIL & GAS CO.	FROM (former operator)	PG&E RESOURCES COMPANY
(address)	6688 N CENTRAL EXP STE 1000	(address)	6688 N CENTRAL EXP STE 1000
	DALLAS TX 75206-3922		DALLAS TX 75206-3922
phone (<u>214</u>)	750-3800	phone (<u>214</u>)	750-3800
account no.	N3300 (11-29-94)	account no.	N0595

Well(s) (attach additional page if needed):

***WELLS DRAW (GRRV) UNIT**

***WEST WILLOW CREEK UNIT**

Name: **SEE ATTACHED**	API: <u>013 31005</u>	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-3-94)*
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-3-94)*
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) (no) ____ If yes, show company file number: #FN001519. "Dalen Resources Corp." eff. 6-15-94.
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-29-94)*
- Lee 6. Cardex file has been updated for each well listed above. *12-7-94*
- Lee 7. Well file labels have been updated for each well listed above. *12-8-94*
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(11-29-94)*
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~)

*Surety U1870145/80,000. "Rider to Daken" rec'd 10-3-94.
* Trust Land/Ed "Rider" Apprv. 10-5-94 # U2164274/80,000.*

- Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new ^{*Upon compl. of routing.*} and former operators' bond files.
- Lee 3. The former operator has requested a release of liability from their bond (yes/no) ____.
- N/A Today's date ____ 19____. If yes, division response was made by letter dated ____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated ____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

DD 2. Copies of documents have been sent to State Lands for changes involving State leases.
12/8/94 to Ed Borm

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: December 15 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

94/11/08 Borm/S.Y. Not Apprv. yet!

94/11/25 " Apprv. 'd.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

DALEN Resources Oil & Gas Co.

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

516' FEL & 632' FNL NE/4 SW/4 Section 5, T9S-R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other First water injection
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DALEN Resources began injecting water on January 11, 1995 at a rate of 145 BWPd. We plan to increase the injection rate to 425 BWPd.

JAN 11 1995

14. I hereby certify that the foregoing is true and correct

Signed

Cindy B. Keister

Title Supervisor Regulatory Compliance

Date 01/24/1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UTAH DOGM

ENSERCH
EXPLORATION INC.

4849 Greenville Avenue, Suite 1200
Dallas, Texas 75206-4186

January 18, 1996

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attention: Mr. Dan Jarvis

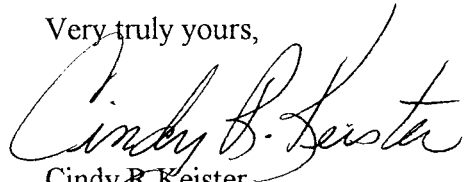
RE: Operator Changes - UIC Wells
Pleasant Valley Unit
Wells Draw Unit
West Willow Creek Unit
Duchesne & Uintah Counties, Utah

Gentlemen:

Attached is an original and one (1) copy of UIC Form 5 "Transfer of Authority to Inject" changing the operator from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. for the water and gas injection wells in the referenced units. Also attached is a copy of the Certificate of Merger from the Secretary of the State of Texas certifying the Articles of Merger.

If you have any questions or need further information, please contact the undersigned at 214/987-6353.

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Central File
Regulatory File

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY	
*	Federal	11- 4G	U-30096	✓ 43-013-31250	NW NW	4	9S	16E	Duchesne	
*	Federal	12- 4G	U-30096	✓ 43-013-3699	SW NW	4	9S	16E	Duchesne	30699
✓ *	Federal	21- 4G	U-30096	43-013-31272	NE NW	4	9S	16E	Duchesne	W/W
*	Federal	31- 4G	U-30096	✓ 43-013-31228	NW SE	4	9S	16E	Duchesne	
*	Federal	42- 4G	U-30096	✓ 43-013-30638	SE NE	4	9S	16E	Duchesne	
*	Federal	21- 5G	U-30096	✓ 43-013-30698	NE NW	5	9S	16E	Duchesne	30698
*	Federal	22- 5G	U-30096	✓ 43-013-31273	SE NW	5	9S	16E	Duchesne	
*	Federal	23- 5G	U-30096	✓ 43-013-31207	NE SW	5	9S	16E	Duchesne	
*	Federal	31- 5G	U-30096	✓ 43-013-31252	NW NE	5	9S	16E	Duchesne	
✓ *	Federal	32- 5G	U-30096	43-013-30670	SW NE	5	9S	16E	Duchesne	W/W
✓ *	Federal	41- 5G	U-30096	43-013-31205	NE SW	5	9S	16E	Duchesne	W/W
*	Federal	43- 5G	U-034217-A	✓ 43-013-30858	NE SE	5	9S	16E	Duchesne	
*	Federal	13- 33B	U-49092	✓ 43-013-31277	NW SW	33	8S	16E	Duchesne	
✓ *	Federal	14- 33B	U-49092	43-013-31229	SW SW	33	8S	16E	Duchesne	W/W
*	Federal	23- 33B	U-49092	✓ 43-013-31251	NE SW	33	8S	16E	Duchesne	
*	Federal	24- 33B	U-49092	✓ 43-013-31214	SE SW	33	8S	16E	Duchesne	
*	Federal	33- 33B	U-49092	✓ 43-013-31268	NW SE	33	8S	16E	Duchesne	
✓ *	Federal	34- 33B	U-49092	43-013-31269	SW SE	33	8S	16E	Duchesne	W/W
✓ *	Federal	43- 33B	U-49092	43-013-31240	NE SE	33	8S	16E	Duchesne	W/W
*	Federal	44- 33B	U-49092	✓ 43-013-31270	SE SE	33	8S	16E	Duchesne	
*	Federal	13- 34B	U-47171	✓ 43-013-31271	NW SW	34	8S	16E	Duchesne	
✓ *	Federal	14- 34B	U-47171	43-013-31225	SW SW	34	8S	16E	Duchesne	W/W
*	Federal	23- 34B	U-47171	✓ 43-013-31241	NE SW	34	8S	16E	Duchesne	
**	Federal	14- 4	U-07978	✓ 43-013-30671	SW SW	4	9S	17E	Duchesne	
**	Federal	34- 5	UTU-72108	✓ 43-013-30721	SW SE	5	9S	17E	Duchesne	
**	Federal	44- 5	UTU-72108	✓ 43-013-30913	SE SE	5	9S	17E	Duchesne	
**	Federal	12- 8H	U-10760	✓ 43-013-30680	SW NW	8	9S	17E	Duchesne	
**	Federal	21- 8H	U-10760	✓ 43-013-31460	NE NW	8	9S	17E	Duchesne	
**	Federal	22- 8H	U-10760	✓ 43-013-31457	SE NW	8	9S	17E	Duchesne	
**	Federal	31- 8H	U-10760	✓ 43-013-30679	NW NE	8	9S	17E	Duchesne	
**	Federal	32- 8H	U-10760	✓ 43-013-30542	SW NE	8	9S	17E	Duchesne	
**	Federal	41- 8H	U-10760	✓ 43-013-30741	NE NE	8	9S	17E	Duchesne	
**	Federal	42- 8H	U-10760	✓ 43-013-30678	SE NE	8	9S	17E	Duchesne	ORL
	Federal	24- 15H	U-10760	✓ 43-013-30681	SE SW	15	9S	17E	Duchesne	
**	Federal	11- 9H	U-50750	✓ 43-013-30887	NW NW	9	9S	17E	Duchesne	
**	Federal	12- 9H	U-50750	✓ 43-013-30983	SW NW	9	9S	17E	Duchesne	
**	Federal	13- 9H	U-50750	✓ 43-013-30656	NW SW	9	9S	17E	Duchesne	
**	Federal	14- 9H	U-50750	✓ 43-013-31459	SW SW	9	9S	17E	Duchesne	
	Federal	32-29	U-19267	✓ 43-047-31175	SW NE	29	9S	18E	WINTAH	POW

United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

FEB 12 1996

IN REPLY REFER TO:
3100
U-01470A et al
UT-923

FEB 09 1996

NOTICE

Enserch Exploration, Inc. : Oil and Gas
4849 Greenville Ave., Suite 1200 : U-01470A et al
Dallas, Texas 75206-4186 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of DALEN Resources Oil & Gas Co. into Enserch Exploration, Inc. with Enserch Exploration, Inc. being the surviving entity.

For our purposes, the merger is recognized effective December 31, 1995 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field offices, you will be contacted by them.

If you identify other leases in which the merging entity maintains an interest, please contact this office and we will appropriately document those files with a copy of this notice.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. on Bond No. U1870111 (BLM Bond No. WY2554). This is a nationwide bond held in the Wyoming State Office. Enserch Exploration, Inc. has a nationwide bond, No. 203826 (BLM Bond No. MT0680) on file in the Montana State Office. Only one of the bonds is required to cover liabilities for lease obligations. However, both bonds will remain in effect until the principal/obligor advises the appropriate BLM State Office which bond it wishes to maintain and which bond it wishes to have the period of liability terminated. A rider, assuming any and all liabilities of the bond you wish to terminate must be submitted for approval to the appropriate BLM State Office. If you have any questions concerning the bonding, please contact Irene Anderson at (801) 539-4108.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure

1. Exhibit (1p)

bc: State of Utah, Division of Oil, Gas & Mining, Attn: Lisha Cordova,
3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1204
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Moab District Office
Vernal District Office
Teresa Thompson (UT-920)
Irene Anderson (UT-923)

Exhibit of Leases

U-01470A	U-0143521A	U-52765	UTU-68328
U-01790	U-0147541	U-55626	UTU-68330
U-02896A	U-0147541A	U-58546	UTU-68338
U-03505	U-2838	U-61052	UTU-68346
U-03576	U-7206	U-61189	UTU-68347
U-013429A	U-10291	U-62657	UTU-68348
U-013765	U-10760	UTU-65218	UTU-68388
U-013766	U-11385	UTU-65472	UTU-68402
U-013767	U-13905	UTU-65615	UTU-68544
U-013769	U-14236	UTU-65949	UTU-68548
U-013769A	U-15392	UTU-66004	UTU-68619
U-013769B	U-16535	UTU-66027	UTU-68624
U-013769C	U-16539	UTU-66033	UTU-68625
U-013792	U-16544	UTU-66184	UTU-68626
U-013793	U-17036	UTU-66185	UTU-68627
U-013793A	U-17424	UTU-66193	UTU-68631
U-013794	U-19267	UTU-66484	UTU-69024
U-013818A	U-30096	UTU-66743	UTU-69166
U-013820	U-39221	UTU-67168	UTU-69482
U-013821A	U-39713	UTU-67841	UTU-72104
U-017713	U-39714	UTU-67857	UTU-73087
U-035316	U-40026	UTU-67996	UTU-73089
U-037164	U-47171	UTU-67997	UTU-73433
U-0141644	U-49092	UTU-68108	UTU-73512
U-0143519	U-50750	UTU-68109	UTU-74805
U-0143520A	U-51081	UTU-68316	UTU-74806
U-034217A	U-07978	UTU-72108	UTU-74872

Wells Draw Unit (UTU-72613A)
West Willow Creek Unit (UTU-73218X)
Pleasant Valley Unit (UTU-74477X)



The State of Texas

SECRETARY OF STATE CERTIFICATE OF MERGER

The undersigned, as Secretary of State of Texas, hereby certifies that the attached Articles of Merger of

DALEN CORPORATION
a Delaware no permit corporation
with
ENSERCH EXPLORATION, INC.
a Texas corporation

have been received in this office and are found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law, hereby issues this Certificate of Merger.

Dated December 19, 1995.

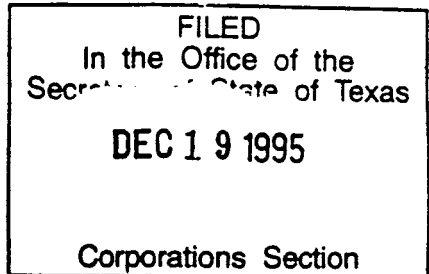
Effective December 31, 1995 04:55 PM



1087.

Antonio O. Garza, Jr.
Secretary of State

**ARTICLES OF MERGER OF
DALEN Corporation
INTO
Enserch Exploration, Inc.**



Pursuant to the provisions of Article 5.16 of the Texas Business Corporation Act, Enserch Exploration, Inc., a corporation organized under the laws of the State of Texas ("Parent Corporation"), and owning at least ninety percent of the shares of DALEN Corporation, a corporation organized under the laws of the State of Delaware ("Subsidiary Corporation"), hereby executes the following Articles of Merger:

1. The name of the Parent Corporation is Enserch Exploration, Inc. The name of the Subsidiary Corporation is DALEN Corporation. Enserch Exploration, Inc. is incorporated in Texas, and DALEN Corporation is incorporated in Delaware.
2. The following is a copy of resolutions of the Board of Directors of Enserch Exploration, Inc. or Parent Corporation ("Enserch") adopted on December 5, 1995:

"WHEREAS Section 5.16 of the Texas Business Corporation Act permits short-form mergers if the subsidiary is a foreign corporation and the parent is a Texas corporation, provided that this procedure is permitted by the laws of the foreign corporation's jurisdiction of incorporation and

"WHEREAS Section 253 of the General Corporation Law of Delaware provides for short-form mergers between a domestic subsidiary corporation and a foreign parent corporation,

"RESOLVED, That DALEN Corporation, a Delaware corporation ('DALEN'), which is a wholly-owned subsidiary of Enserch, merge with and into Enserch Exploration, Inc. pursuant to Section 5.16 of the Texas Business Corporation Act (the 'Merger'), effective as of 4:55 P.M., Dallas, Texas time, on December 31, 1995, and that Enserch Exploration, Inc. assume all of the obligations of DALEN at such time; and

"FURTHER RESOLVED, That the proper officers of this Company are hereby authorized and empowered to file with the Secretary of State of the State of Texas Articles of Merger and with the Secretary of State of Delaware a Certificate of Ownership and Merger to effect the Merger of DALEN into this Company and to take, or cause to be taken, all such further action and to execute and deliver or cause to be executed and delivered, in the name of and on behalf of this Company, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of this Company (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

3. The number of outstanding shares of each class of the Subsidiary Corporation and the number of shares of each class owned by the surviving Parent Corporation is:

Company	Class	No. of Shares Outstanding	No. of Shares Owned by Parent Corporation
Subsidiary Corporation	Common	100	100

4. The laws of Delaware, the jurisdiction under which Subsidiary Corporation is organized, permit such a merger.

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

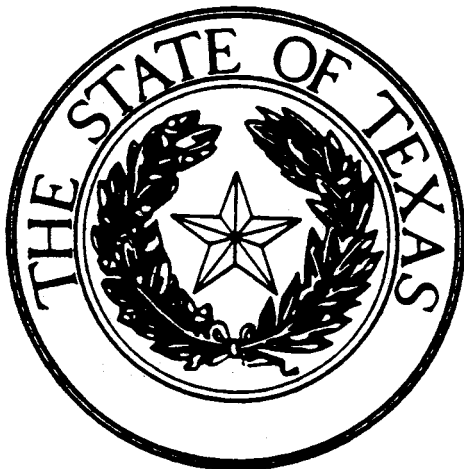
By: J. W. Pinkerton
Name: J. W. Pinkerton
Title: Vice President and Controller,
Chief Accounting Officer



The State of Texas

SECRETARY OF STATE

I, ANTONIO O. GARZA, JR., Secretary of State of Texas, DO HEREBY CERTIFY that Articles of Merger of **ENSERCH EXPLORATION, INC.** (Charter No. 1323890-00), a **TEXAS** corporation, and **DALEN CORPORATION**, a **DELAWARE** (No Permit) corporation, were filed in this office on **DECEMBER 19, 1995**, for which a certificate of merger was issued; and that according to the terms of the merger the surviving corporation is **ENSERCH EXPLORATION, INC.**, a **TEXAS** corporation.



IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in the City of Austin, on December 19, 1995.

107.

Antonio O. Garza, Jr.
Secretary of State

MAC

**ENSERCH
EXPLORATION** INC

4849 Greenville Ave., Suite 1200
Dallas, Texas 75206-4186
214/369-7893

January 11, 1996

Bureau of Land Management
Utah State Office
324 South State
Salt Lake City, UT 84111

Attention: Mr. Chris Merritt

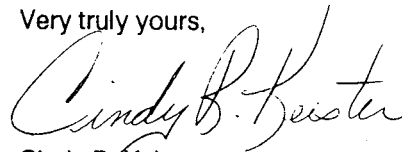
RE: Operator Name Change

Dear Mr. Merritt:

DALEN Resources Oil & Gas Co. has been merged into Enserch Exploration, Inc. effective January 1, 1996. Attached is a list of the properties that were operated by DALEN Resources and a copy of the Certificate of Merger from the Secretary of the State of Texas. Please change the operator name on these properties. Enserch Exploration, Inc. operates under Nationwide Bond No. 203826, BLM assigned No. MT-0680.

If you have any questions or need further information, please contact the undersigned at (214) 987-6363.

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal 41-5G
Field or Unit name: Wells Draw Unit API no. 43-013-31205
Well location: QQ SW section 5 township 9S range 16E county Duchesne
Effective Date of Transfer: 01/01/96

CURRENT OPERATOR

Transfer approved by:

Name Cindy R. Keister Company DALEN Resources Oil & Gas Co.
Signature Cindy R. Keister Address 6688 N. Central Expwy., Suite 1000
Title Regulatory Compliance Specialist Dallas, TX 75206
Date 01/18/96 Phone (214) 987-6353

Comments: DALEN Resources was merged into Enserch Exploration, Inc.

NEW OPERATOR

Transfer approved by:

Name Cindy R. Keister Company Enserch Exploration, Inc.
Signature Cindy R. Keister Address 4849 Greenville Ave., Suite 1200
Title Regulatory Compliance Specialist Dallas, TX 75206
Date 01/18/96 Phone (214) 987-6353

Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager
Approval Date 2-13-96

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

1- LEC / CH
2- DTS / FILM
3- VLD / FILE
4- RJF
5- LEC
6- SJ

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-96)

TO (new operator) **ENSERCH EXPLORATION INC**
 (address) **4849 GREENVILLE AVE STE 1200**
DALLAS TX 75206
CINDY KEISTER
 phone (214) **987-6353**
 account no. **N4940 (1-29-96)**

FROM (former operator) **DALEN RESOURCES OIL & GAS**
 (address) **6688 N CENTRAL EXP #1000**
DALLAS TX 75206-3922
CINDY KEISTER
 phone (214) **987-6353**
 account no. **N3300**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 1-22-96)
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 1-22-96)
- 3 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #171513. (Ltr # 1-4-95)
- 4 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-12-96)
- 6 6. Cardex file has been updated for each well listed above. (2-12-96)
- 7 7. Well file labels have been updated for each well listed above. (2-12-96)
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (2-12-96)
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- LC* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trustlands / Bond & Lease update in progress!*

- LC* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- VDR* 1. All attachments to this form have been microfilmed. Date: March 14 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

960212 BLM/SL Appr. eff. 12-31-95.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. --

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

ENSERCH EXPLORATION INC.

3. Address and Telephone No.

4849 Greenville Avenue, Suite 1200, Dallas, Texas 75206-4186 (214) 369-7893

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

516' FEL & 632' FNL NE/4 NE/4 Section 5, T9S-R16E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

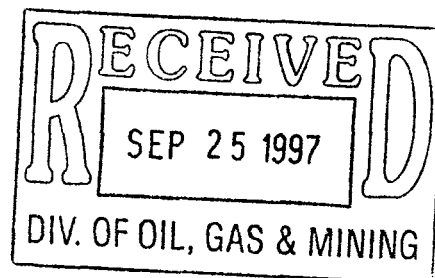
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enserch Exploration Inc. has sold its interest in the WDU #41-5G Federal to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Sr. Production Analyst Date 01/24/1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

cc: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

516' FEL & 632' FNL NE/4 NE/4 Section 5, T9S-R16E

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

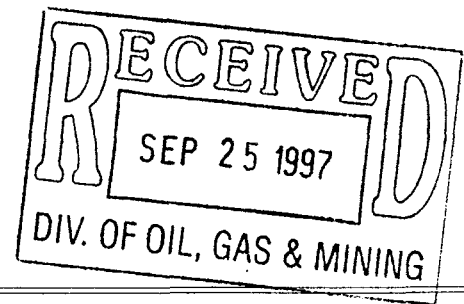
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water
(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company assumes operations of the above mentioned well effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Attorney-In-Fact Date 01/24/1995

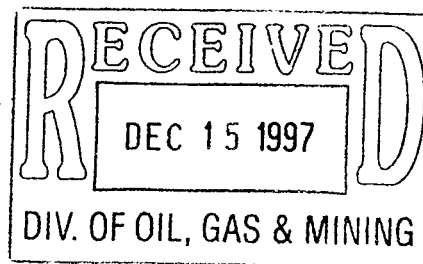
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

cc: UTAH DOGM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached WELLS DRAW (GRRV) UNIT
Field or Unit name: See Attached API no. See Attached
Well location: QQ section township range county
Effective Date of Transfer: See Attached

CURRENT OPERATOR

Transfer approved by:

Name DAVID R. HENDERSON Company Enserch Exploration, Inc.
Signature *David R. Henderson* Address 4849 Greenville Ave., 1200
Title Executive Vice President and Dallas, Texas 75206-4186
Chief Operating Officer
Date 11/15/97 off. 3/31/97 Phone (214) 369-7893
Comments:

NEW OPERATOR

Transfer approved by:

Name CHRIS A. POTTER Company Inland Production Company
Signature *Chris A. Potter* Address 475 17th Street, Suite 1500
Title Attorney-in-Fact Denver, Colorado 80202
Date 11/24/97 Phone (303) 292-0900
Comments:

(State use only)

Transfer approved by *C. Hunt* Title *Environ. Manager*
Approval Date 1/6/98 CAUSE No. 231-1

* Copies mailed to operators on 1-6-98. J
Lic

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1995

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 41-5-G

9. API Well No.

43-013-31205

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil
Well

☐

Gas
Well

☒

Other

Injection

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0631 FNL 0517 FEL

NE/NE Section 5, T09S R16E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Csg Integrity Test

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

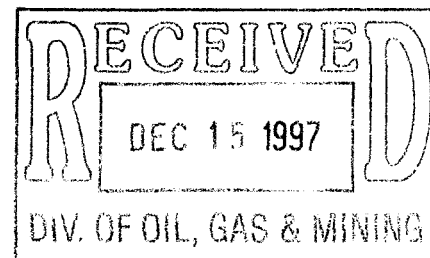
☐

Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Flow test well. TIH w/pkr. ND well head. Release pkr. NU BOP. TIH w/5-1/2" 23# PLS Halliburton Pkr, SN, 154 jts 2-7/8" J-55 tbg. ND BOP. Set pkr in 15,000# tension. NU well head. Pressure csg to 600 psi. RDSUMOL. The Federal #41-5-G location was placed back on injection on 11/7/97. Please refer to the attached csg integrity tests, an copies of the charts.



14. I hereby certify that the foregoing is true and correct

Signed

Sharon Smith

Title

Engineering Secretary

Date

12/10/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

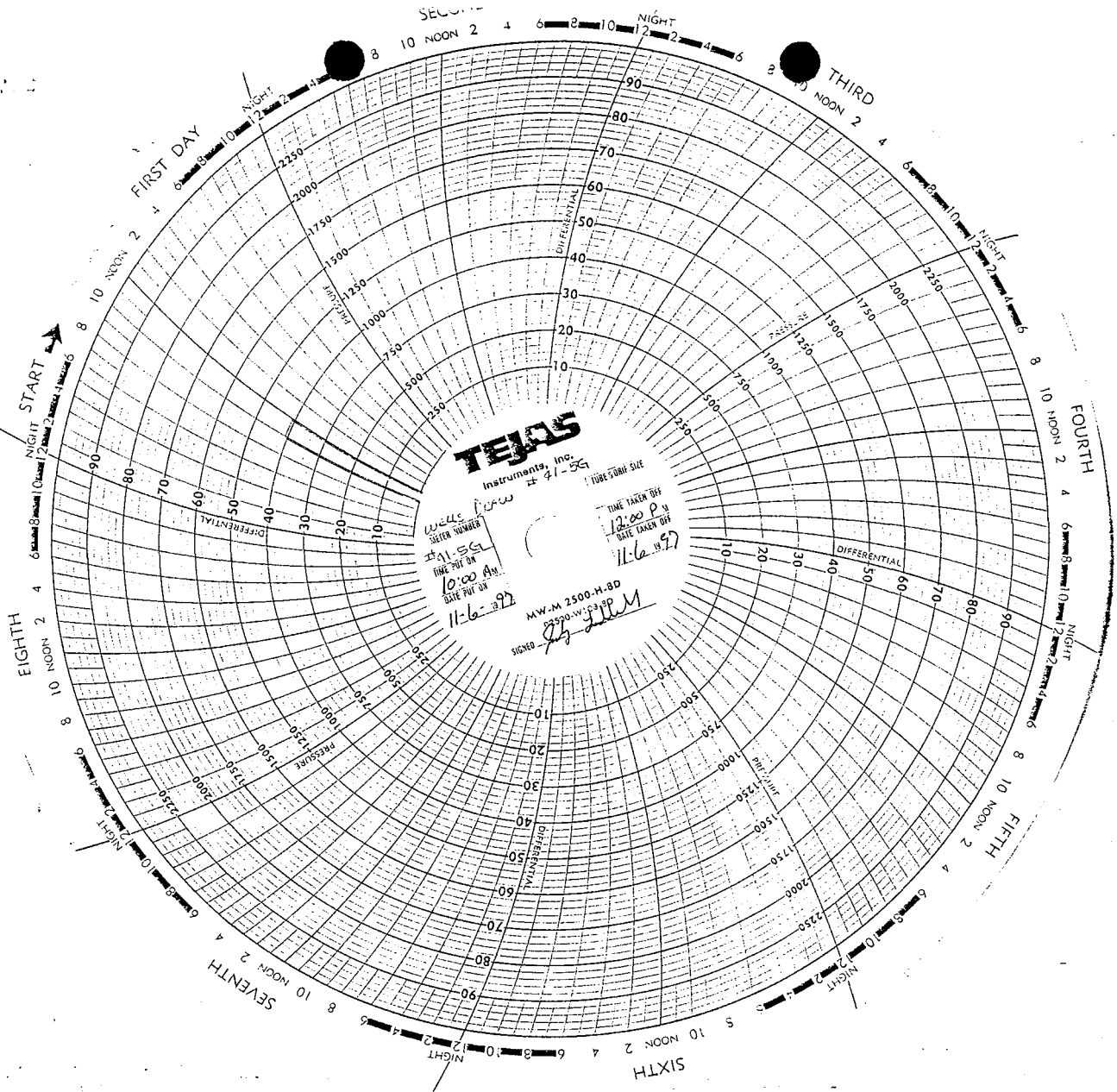
CASING INTEGRITY TEST

**FEDERAL #41-5G
NE/NE SEC. 5, T9S, R16E
DUCHESNE COUNTY, UTAH**

0 MIN	1025 PSIG
10 MIN	1025 PSIG
20 MIN	1025 PSIG
30 MIN	1025 PSIG
40 MIN	1025 PSIG
50 MIN	1025 PSIG
60 MIN	1025 PSIG
70 MIN	1025 PSIG
80 MIN	1025 PSIG
90 MIN	1025 PSIG
100 MIN	1025 PSIG
120 MIN	1025 PSIG

TUBING PRESSURE 0 PSI

**TEST CONDUCTED BY JODY LIDDELL/INLAND PRODUCTION COMPANY ON 11/6/97
CONTACTED DOGM AND BLM PRIOR TO TEST
NO REPRESENTATIVE PRESENT PER THEIR REQUEST**



Injection Wells Formerly Operated by EEX

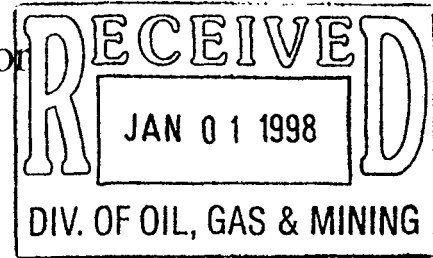
<u>LEASE</u>	<u>TWP</u>	<u>RGE</u>	<u>SEC</u>	<u>QTR</u>	<u>QTR</u>	<u>COUNTY</u>	<u>STATE</u>	<u>FIELD</u>	<u>API</u>	<u>LEASENUM</u>
ALLEN FED #44-5	09S	17E	5	SE/SE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330913	U-020252
FED #11-9H	09S	17E	9	NW/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330887	U-50750
FED #22-8H	09S	17E	8	SE/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331457	U-10760
FED #33-9H	09S	17E	9	NW/SE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331108	U-61052
FED NGC #22-9H	09S	17E	9	SE/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331049	U-50750
PLSNT VLY #31-8H	09S	17E	8	NW/NE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330679	U-10760
PLSNT VLY #42-8H	09S	17E	8	SE/NE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330678	U-10760
PLSNT VLY FD #13-9H	09S	17E	9	NW/SW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330656	U-37810
PLSNT VLY FD #24-9H	09S	17E	9	SE/SW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330682	U-50750
NGC FED 32-5G	09S	16E	5	SW/NE		DUCHESNE	UT	WELLS DRAW UT	4301330670	U-30096
WD FED 14-33-B	08S	16E	33	SW/SW		DUCHESNE	UT	WELLS DRAW UT	4301331229	U-49092
WD FED 14-34-B	08S	16E	34	NW/SW		DUCHESNE	UT	WELLS DRAW UT	4301331225	U-47171
WD FED 21-4-G	09S	16E	4	NE/NW		DUCHESNE	UT	WELLS DRAW UT	4301331272	U-30096
WD FED 34-33-B	08S	16E	33	SW/SE		DUCHESNE	UT	WELLS DRAW UT	4301331269	U-49092
WD FED 41-5-G	09S	16E	5	NE/NE		DUCHESNE	UT	WELLS DRAW UT	4301331205	U-30096
WD FED 43-33-B	08S	16E	33	NE/SE		DUCHESNE	UT	WELLS DRAW UT	4301331240	U-49092



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



December 31, 1997

Inland Production Company
c/o UnitSource Incorporated
11184 Huron Street, Suite 16
Denver, Colorado 80234

Re: Wells Draw (Green River) Unit
Duchesne County, Utah

Gentlemen:

On December 30, 1997, we received an indenture dated September 1, 1997, whereby Enserch Exploration, Inc. resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Wells Draw (Green River) Unit, Duchesne County, Utah.

The indenture was approved by all required parties and the parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective December 31, 1997. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Wells Draw (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Wells Draw (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ George Diwachak

for Robert A. Henricks
Chief, Branch of Fluid Minerals

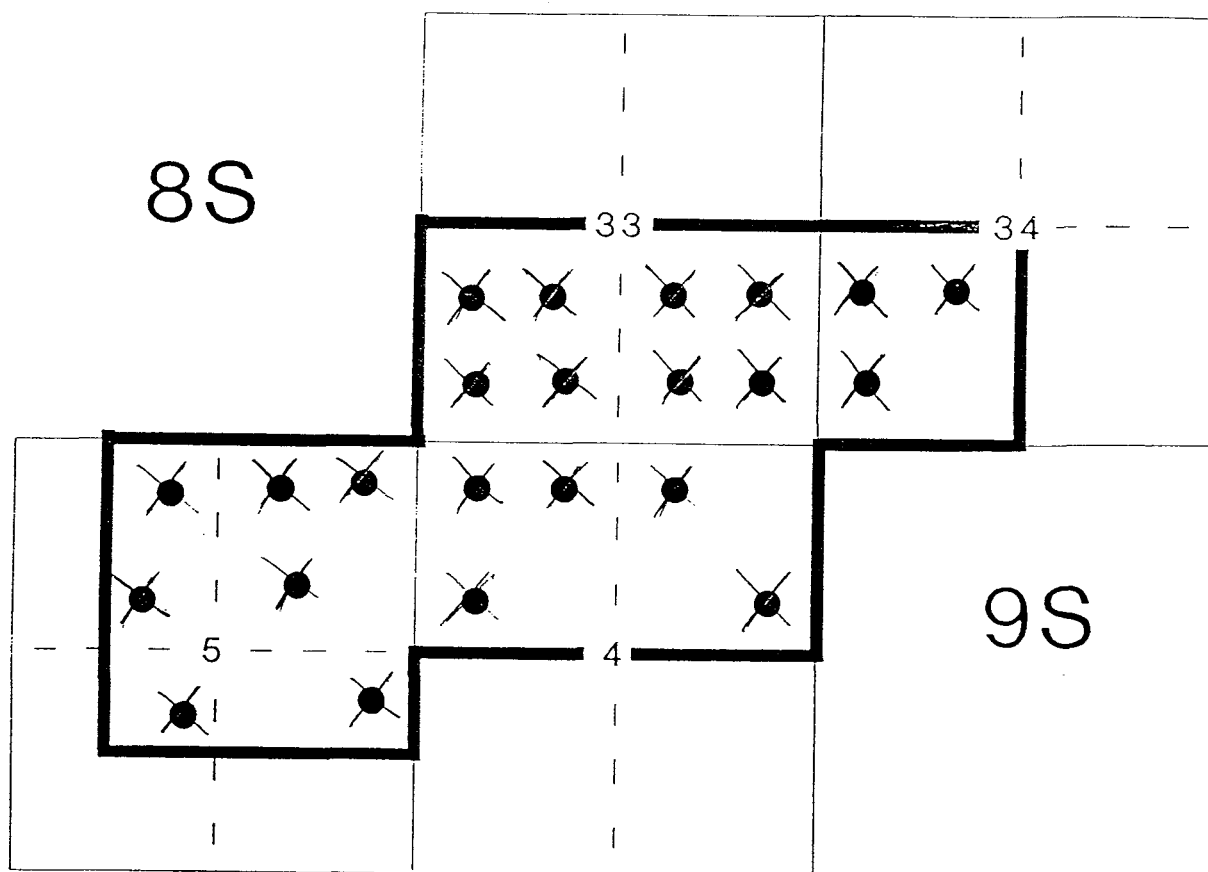
Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Wells Draw (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:12/31/97

WELLS DRAW (GREEN RIVER) UNIT

Uintah County, Utah



UNIT OUTLINE (UTU72613A)

SECONDARY
ALLOCATION
FEDERAL 100%

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. H 5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12276							DUCHESNE		8-16-97
WELL 1 COMMENTS: *SEE ATTACHED LIST;OP CHG FR N4940 EFF 8-16-97 (WELLS DRAW (GRRV) UNIT) OPERATOR REQ CHG FOR TAX & ROYALTY; & DISPOSITION REPORTING.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

1-2-98

Title

Date

Phone No. ()

INLAND PRODUCTION COMPANY
(N5160)

CURRENT ENTITY	NEW ENTITY	API NUMBER	WELL NO.	SEC-T-R	EFF. DATE
02043	12276	43-013-30858	43-5	05-09S-16E	8-16-97
06100	"	43-013-30699	12-4G	04-09S-16E	"
06105	"	43-013-30698	21-5G	05-09S-16E	"
06105	"	43-013-31207	23-5-G	05-09S-16E	"
06115	"	43-013-30638	42-4	04-09S-16E	"
10913	"	43-013-31214	24-33-B	33-08S-16E	"
10979	"	43-013-31228	31-4-G	04-09S-16E	"
11041	"	43-013-31241	23-34-B	34-08S-16E	"
11046	"	43-013-31250	11-4-G	04-09S-16E	"
11047	"	43-013-31251	23-33-B	33-08S-16E	"
11054	"	43-013-31252	31-5-G	05-09S-16E	"
11084	"	43-013-31270	44-33-B	33-08S-16E	"
11086	"	43-013-31268	33-33-B	33-08S-16E	"
11092	"	43-013-31277	13-33-B	33-08S-16E	"
11103	"	43-013-31273	22-5-G	05-09S-16E	"
11104	"	43-013-31271	13-34-B	34-08S-16E	"
10988	"	43-013-31229	14-33-B	33-08S-16E	"
11007	"	43-013-31240	43-33-B	33-08S-16E	"
11079	"	43-013-31269	34-33-B	33-08S-16E	"
10980	"	43-013-31225	14-34-B	34-08S-16E	"
11107	"	43-013-31272	21-4-G	04-09S-16E	"
10859	"	43-013-31205	41-5-G	05-09S-16E	"
06110	"	43-013-30670	32-5G	05-09S-16E	"

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing		
1-LEC	6-LEC	
2-CLH	7-KAS	
3-DTS	8-SI	
4-VLD	9-FILE	
5-JRB		

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 8-16-97

TO: (new operator)	<u>INLAND PRODUCTION CO</u>	FROM: (old operator)	<u>ENSERCH EXPLORATION INC</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>4849 GREENVILLE AVE #1200</u>
	<u>ROOSEVELT UT 84066</u>		<u>DALLAS TX 75206-4145</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(214)987-7859</u>
Account no.	<u>N5160</u>	Account no.	<u>N4940</u>

WELL(S) attach additional page if needed:

***WELLS DRAW (GREEN RIVER) UNIT**

Name: **SEE ATTACHED**	API: <u>43-013-31225</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 9-25-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 9-25-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-2-98) X UIC DBase & Qua Hro Pro.*
- lec 6. **Cardex** file has been updated for each well listed above. *(1-2-98)*
- lec 7. Well **file labels** have been updated for each well listed above. *(1-2-98)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-2-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- Yes 2. A **copy of this form** has been placed in the new and former operator's bond files.
- ____ 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- Yes 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 1.20.98.

FILING

- ____ 1. **Copies** of all attachments to this form have been filed in each **well file**.
- ____ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980102 BLM/SL Aprv. Wells Draw (GRV) Unit eff. 12-31-97.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A 7. UNIT AGREEMENT NAME WELLS DRAW 8. FARM OR LEASE NAME FEDERAL 41-5-G 9. WELL NO. FEDERAL 41-5-G 10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/NE Section 5, T9S R16E																									
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY 3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NE Section 5, T9S R16E 0631 FNL 0517 FEL																									
14 API NUMBER 43-013-31205	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT																								
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th colspan="2" style="text-align: left;">NOTICE OF INTENTION TO:</th><th colspan="2" style="text-align: left;">SUBSEQUENT REPORT OF:</th></tr></thead><tbody><tr><td>TEST WATER SHUT-OFF <input type="checkbox"/></td><td>PULL OR ALTER CASING <input type="checkbox"/></td><td>WATER SHUT-OFF <input type="checkbox"/></td><td>REPAIRING WELL <input type="checkbox"/></td></tr><tr><td>FRACTURE TREAT <input type="checkbox"/></td><td>MULTIPLE COMPLETE <input type="checkbox"/></td><td>FRACTURE TREATMENT <input type="checkbox"/></td><td>ALTERING CASING <input type="checkbox"/></td></tr><tr><td>SHOOT OR ACIDIZE <input type="checkbox"/></td><td>ABANDON* <input type="checkbox"/></td><td>SHOOTING OR ACIDIZING <input type="checkbox"/></td><td>ABANDONMENT* <input type="checkbox"/></td></tr><tr><td>REPAIR WELL <input type="checkbox"/></td><td><input type="checkbox"/></td><td>(OTHER) <input checked="" type="checkbox"/> 5 Year MIT</td><td></td></tr><tr><td>(OTHER) <input type="checkbox"/></td><td><input type="checkbox"/></td><td colspan="2" style="text-align: center;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td></tr></tbody></table>				NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> 5 Year MIT		(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
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17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* A 5 year MIT was conducted on the subject well. On 9/24/02 Mr. Dennis Ingram w/ State DOGM was contacted and set up a time to conduct the MIT on the casing. On 9/24/02 the casing was pressured to 1225 psi w/ no pressure loss charted in the 1/2 hour test. No Governmental agencies were able to witness the test. <div style="text-align: right; margin-top: 10px;">Accepted by the Utah Division of Oil, Gas and Mining Date: <u>10-06-02</u> By: <u>[Signature]</u></div>																											
18 I hereby certify that the foregoing is true and correct <div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="width: 30%;">SIGNED <u>Kusha Russell</u> Krisha Russell</div><div style="width: 30%;">TITLE <u>Production Clerk</u></div><div style="width: 30%;">DATE <u>9/26/2002</u></div></div>																											
cc: BLM (This space for Federal or State office use)																											
APPROVED BY _____ TITLE _____ DATE _____ CONDITIONS OF APPROVAL, IF ANY:																											

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 9 / 24 / 02 Time 2:00 am ☒ pm

Test Conducted by: BRET HENRIE

Others Present: _____

Well: WELLS DRAW 41-5G-9-16

Field: WELLS DRAW

Well Location: NE/NE Sec. 5, T9S, R16E

API No: _____

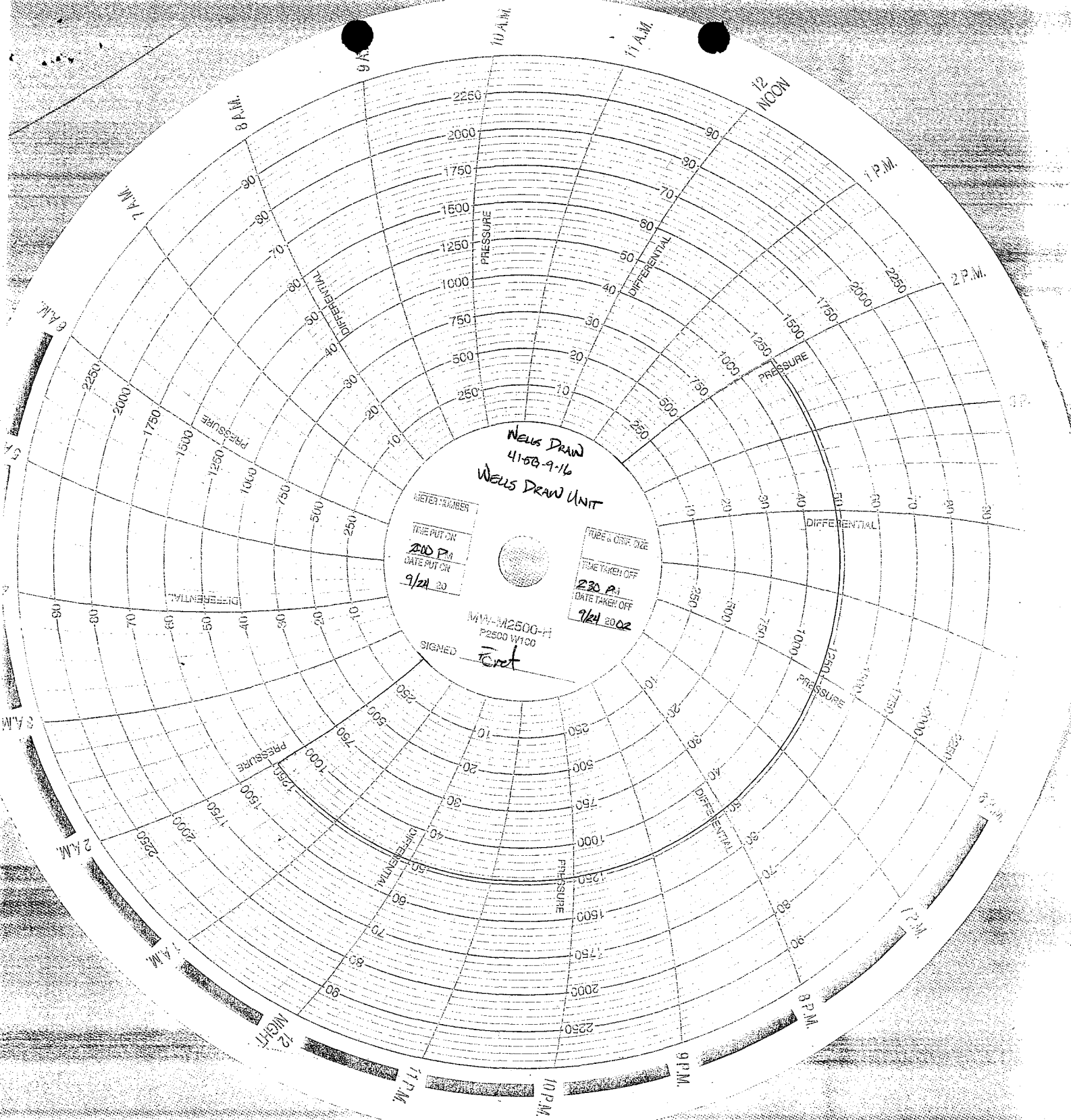
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1225</u>	psig
5	<u>1225</u>	psig
10	<u>1225</u>	psig
15	<u>1225</u>	psig
20	<u>1225</u>	psig
25	<u>1225</u>	psig
30 min	<u>1225</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1980 psig

Result: ☒ Pass ☐ Fail

Signature of Witness: _____

Signature of Person Conducting Test: Bret Henrie



Wells Draw
4158-9-16
Wells Draw Unit

METER NUMBER

TIME PUT ON

DATE PUT ON

9/24 20

TUBE & COND. SIZE

TIME TAKEN OFF

DATE TAKEN OFF

9/24 2002

MW-M2500-H
P2500 W100

SIGNED

Tret

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME WELLS DRAW	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NE Section 5, T9S R16E 631 FNL 517 FEL		8. FARM OR LEASE NAME FEDERAL 41-5-G	
14. API NUMBER 43-013-31205		9. WELL NO. FEDERAL 41-5-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5728 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
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13. STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
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TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <input checked="" type="checkbox"/> Recompletion	
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was recompleted in the Green River Formation, two new intervals were perforated. The GB6 sds 4415'-4430' w/ 4 JSPF, C sds 5072'-5078' w/4 JSPF, for a total of 84 shots. On 10/7/03 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 10/8/03 the casing was pressured to 1100 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

COPY SENT TO OPERATOR
Date: 10-16-03
Initials: CHO

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>10/10/2003</u>
Krishna Russell		

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**Accepted by the
Utah Division of
Oil, Gas and Mining**

* See Instructions On Reverse Side

Date: 10-15-03
By: [Signature]

RECEIVED
OCT 14 2003
DIV OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 10 / 8 / 03 Time 11:00 (am)/pm

Test Conducted by: BRET HENRIE

Others Present: _____

Well: WELLS DRAW FEDERAL 41-56-9-16

Well ID: 43-013-31205

Field: WELLS DRAW UNIT

Company: INLAND

Well Location: NE1NE SEC 5, T9S, R16E

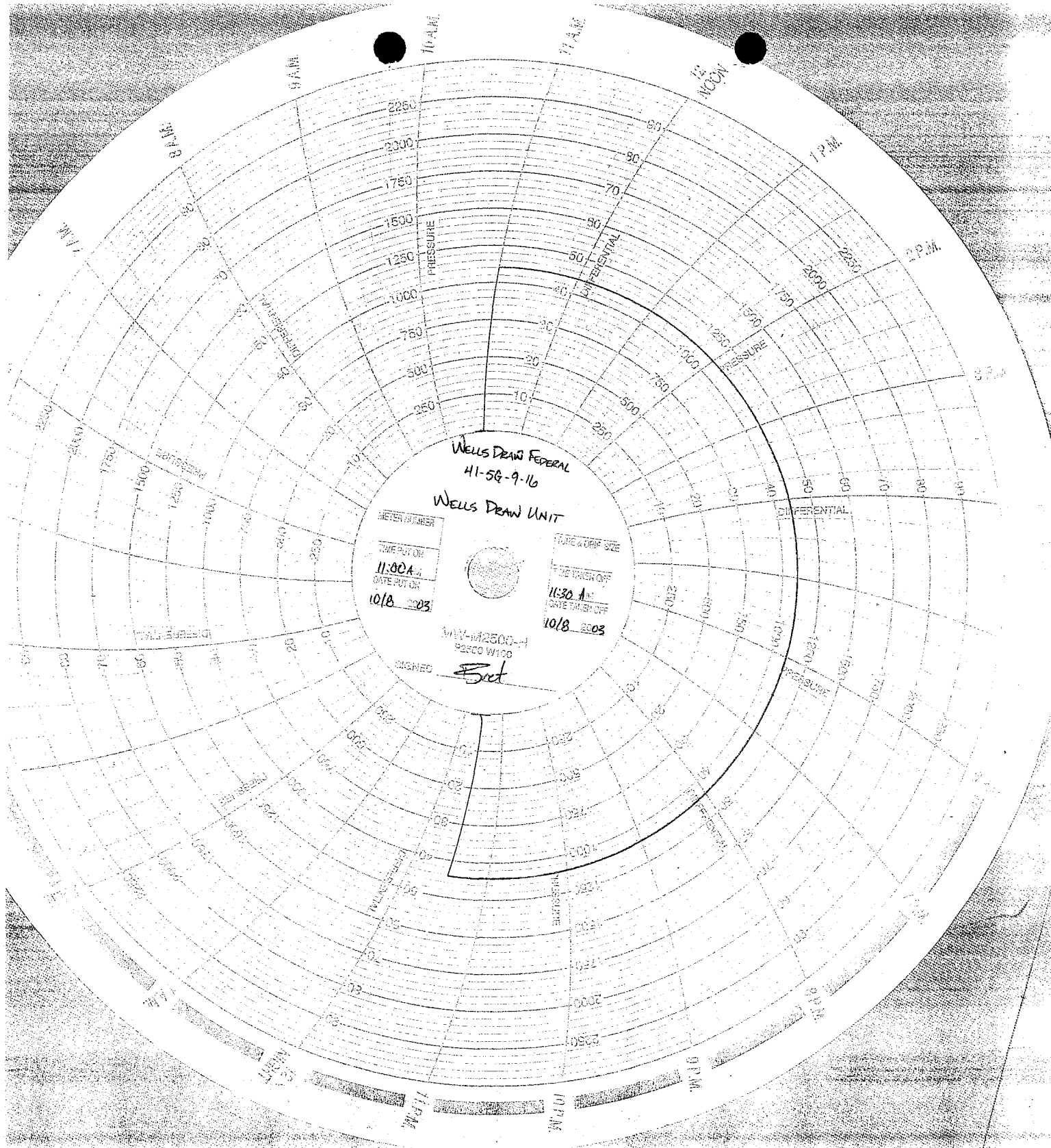
Address: _____

Time	Test	
0 min	<u>1,100</u>	psig
5	<u>1,100</u>	
10	<u>1,100</u>	
15	<u>1,100</u>	
20	<u>1,100</u>	
25	<u>1,100</u>	
30 min	<u>1,100</u>	
35	_____	
40	_____	
45	_____	
50	_____	
55	_____	
60 min	_____	
Tubing press	<u>560</u>	psig

Result (circle) Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Bret Henrie



Wells Draw Federal
41-58-9-16
Wells Draw Unit

METER NUMBER
TIME PUT ON
11:00 A
DATE PUT ON
10/8/2003

TIME TAKEN OFF
11:30 A
DATE TAKEN OFF
10/8/2003

M4-M2500-H
PSCCO W100
SIGNED Bert



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.

Unit:

Wells Draw (Green River)

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WELLS DRAW FED 44-31	31	080S	160E	4301331116	12276	Federal	OW	P
STATE 32-32	32	080S	160E	4301330993	12276	State	WI	A
STATE 14-32	32	080S	160E	4301331039	12276	State	WI	I
STATE 24-32	32	080S	160E	4301331040	12276	State	OW	P
STATE 23-32	32	080S	160E	4301331041	12276	State	WI	A
STATE 13-32	32	080S	160E	4301331112	12276	State	OW	P
GAVILAN ST 22-32	32	080S	160E	4301331168	12276	State	OW	P
STATE 33-32	32	080S	160E	4301331185	12276	State	OW	P
FEDERAL 24-33-B	33	080S	160E	4301331214	12276	Federal	OW	P
FEDERAL 14-33-B	33	080S	160E	4301331229	12276	Federal	WI	A
FEDERAL 43-33-B	33	080S	160E	4301331240	12276	Federal	WI	A
FEDERAL 14-34-B	34	080S	160E	4301331225	12276	Federal	WI	A
FEDERAL 23-34-B	34	080S	160E	4301331241	12276	Federal	WI	A
FEDERAL 42-4	04	090S	160E	4301330638	12276	Federal	OW	P
NGC 12-4G	04	090S	160E	4301330699	12276	Federal	WI	A
FEDERAL 31-4-G	04	090S	160E	4301331228	12276	Federal	OW	P
NGC FED 32-5G	05	090S	160E	4301330670	12276	Federal	WI	A
NGC FED 21-5G	05	090S	160E	4301330698	12276	Federal	WI	A
CASTLE PEAK 43-5	05	090S	160E	4301330858	12276	Federal	WI	A
WELLS DRAW FED 11-5	05	090S	160E	4301331144	12276	Federal	OW	P
FEDERAL 41-5-G	05	090S	160E	4301331205	12276	Federal	WI	A
FEDERAL 23-5-G	05	090S	160E	4301331207	12276	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WT</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-30096
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 631 FNL 517 FEL		8. WELL NAME and NUMBER: FEDERAL 41-5G
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 5, T9S, R16E		9. API NUMBER: 4301331205
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>09/23/2008</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 09-16-08 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 09-18-08. On 09-18-08 the casing was pressured up to 1625 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 2000 psig during the test. There was a State representative available to witness the test.

(Dennis Ingram)
API# 43-013-31205

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 09-29-08
By: [Signature]

NAME (PLEASE PRINT) Jenti Park TITLE Production Tech
SIGNATURE [Signature] DATE 09/23/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 10-1-2008

Initials: KS

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Dennis Ingersoll Date 9/18/08 Time 11:30 am pm
Test Conducted by: Gordon Womack
Others Present: _____

Well: 41-56-9-16

Field: monument Butte

Well Location:

Section 5-95-16E

API No: 43-013-31205

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1625</u>	psig
5	<u>1625</u>	psig
10	<u>1625</u>	psig
15	<u>1625</u>	psig
20	<u>1625</u>	psig
25	<u>1625</u>	psig
30 min	<u>1625</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 2000 psig

Result:

Pass

Fail

Signature of Witness:

Signature of Person Conducting Test:

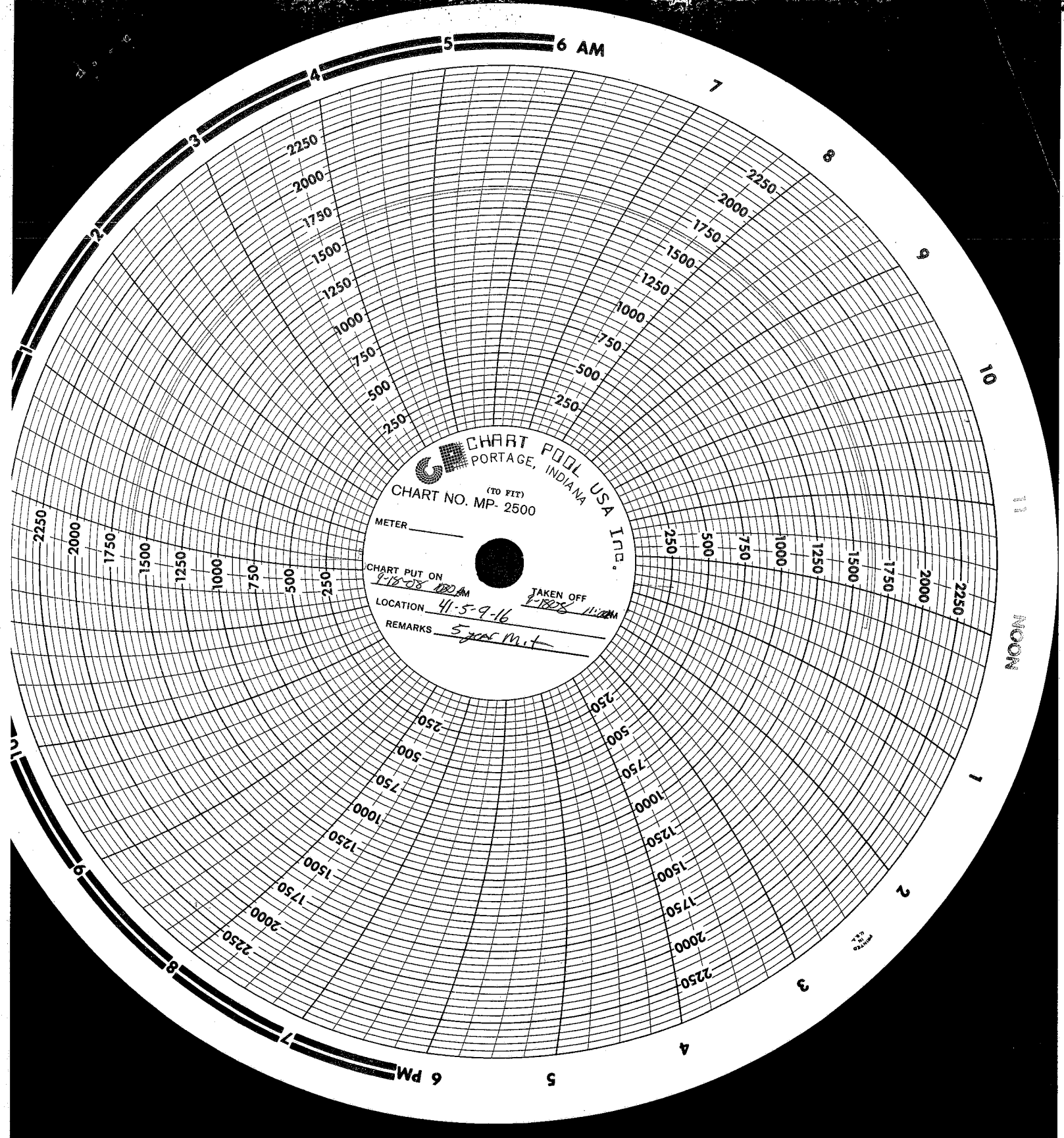


CHART POOL USA INC.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500

METER _____

CHART PUT ON 9-18-08 11:00 AM
TAKEN OFF 9-18-08 11:00 AM
LOCATION 41-5-9-16
REMARKS 5 years M.T.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30096
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 41-5-G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0631 FNL 0517 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 05 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013312050000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/6/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>On 08/05/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/06/2013 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1687 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p> </div> <div style="width: 25%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>August 12, 2013</p> </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/12/2013

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Chris Jensen Date 8/6/13 Time 3:30 am ☒ pm
Test Conducted by: Britt Jensen
Others Present: _____

Well: Federal 41-56-9-16

Field: OMBH

Well Location: NE/NE Sec. 5, T9S, R16E

API No: 43-013-31205

5 year MIT

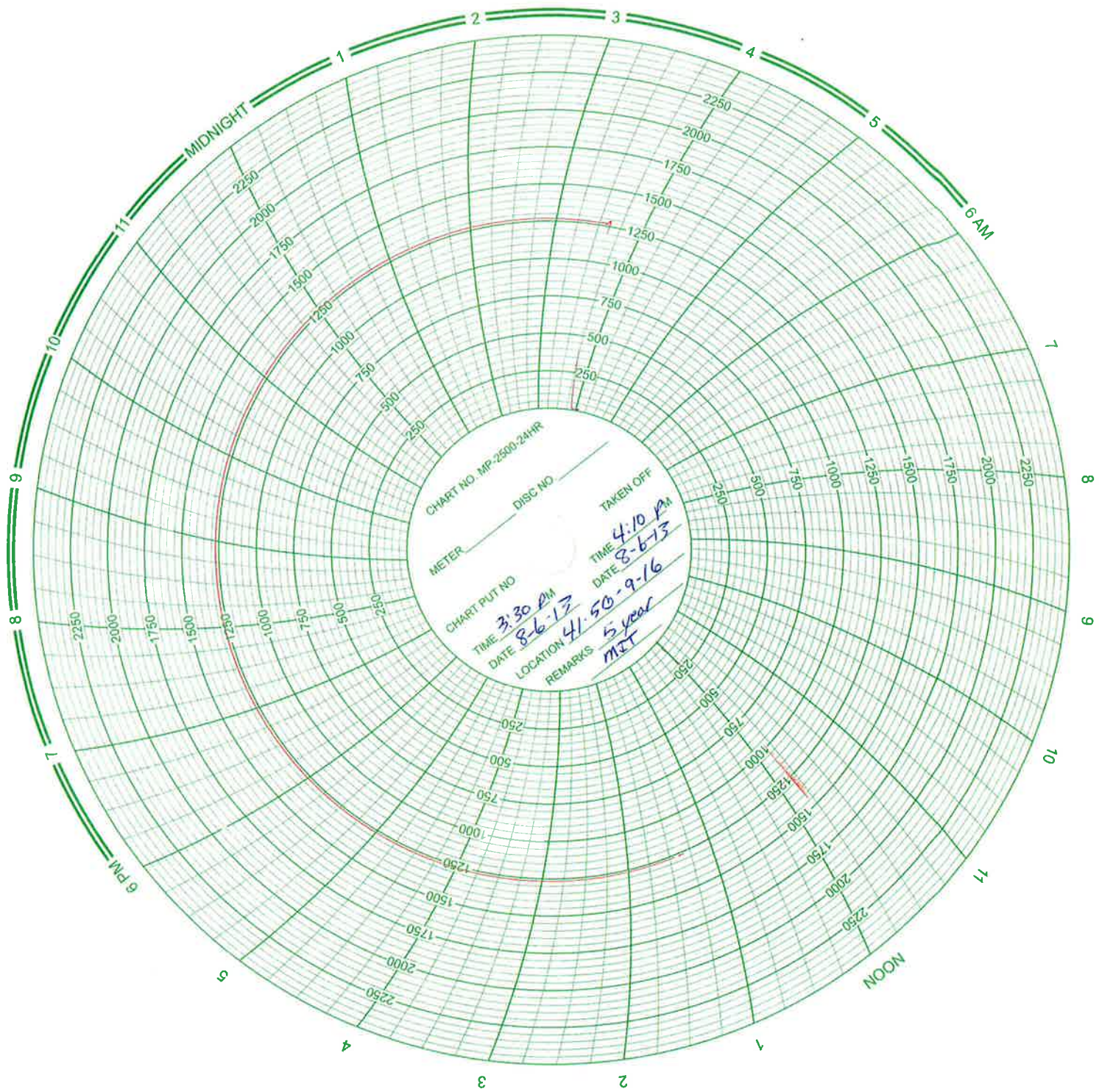
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1260</u>	psig
5	<u>1260</u>	psig
10	<u>1260</u>	psig
15	<u>1260</u>	psig
20	<u>1260</u>	psig
25	<u>1260</u>	psig
30 min	<u>1260</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1687 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: _____



Spud Date: 3/24/1988
 Put on Production: 5/5/1988
 Put on injection: 1/12/1995
 GL: 5134' KB: 5124'

Wells Draw Fed. #41-5G-9-16

Initial Production: 30 BOPD,
 0 MCFD, 33 BWPD

SURFACE CASING

CSG SIZE: 9 5/8"
 GRADE: L-80
 WEIGHT: 43.5#
 LENGTH: 7 jts.
 DEPTH LANDED: 289'
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 165 sxs Class "G" cmt, est 14 bbls cmt to surface.

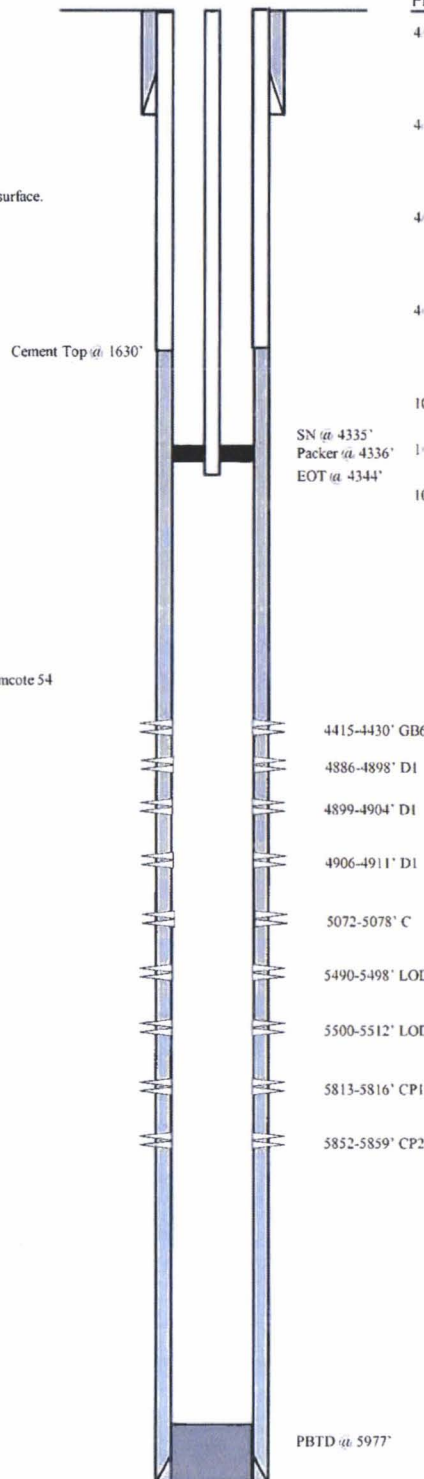
PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: N-80
 WEIGHT: 17#, 20#, 23#
 LENGTH: 192 jts. (6023')
 DEPTH LANDED: 6038'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 602 sxs Class "G" cement.
 CEMENT TOP AT: 1630' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5# Internally coated Ceramcote 54
 NO. OF JOINTS: 140 jts (4320.21')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4335.21' KB
 TUBING PACKER: 4336.31'
 END OF TUBING: 4343.66'

Injection Wellbore Diagram



FRAC JOB

Date	Depth Range	Fracture Details
4/14/88	5813'-5859'	Fracture zone as follows: 78,000# 20/40 sand in 866 bbls fluid. Treated @ avg press of 2000 psi w avg rate of 35 BPM. ISIP 1870 psi.
4/17/88	5490'-5512'	Fracture zone as follows: 92,500# 20/40 sand in 863 bbls fluid. Treated @ avg press of 2200 psi w avg rate of 35 BPM. ISIP 2300 psi.
4/19/88	4886'-4911'	Fracture zone as follows: 85,480# 20/40 sand in 1051 bbls fluid. Treated @ avg press of 1900 psi w avg rate of 35 BPM. ISIP 2000 psi.
4/21/88	4415'-4429'	Fracture zone as follows: 51,400# 20/40 sand in 590 bbls fluid. Treated @ avg press of 2100 psi w avg rate of 35 BPM. ISIP 2540 psi.
10/8/94	4415'-4429'	Squeeze perms. W/ 25 sxs cement. Test to 550#.
1/12/95	4352'-5859'	Treat perms w/ 130 bbl 2% KCl. Treat at 837 psi @ 3.6 BPM. ISIP 470#.
10/04/03		Add new perforations. Update tubing detail.

PERFORATION RECORD

Date	Depth Range	Perforation Details
4/14/88	5852'-5859'	2 JSFP 14 holes
4/14/88	5813'-5826'	2 JSFP 26 holes
4/17/88	5500'-5512'	4 JSFP 48 holes
4/17/88	5490'-5498'	4 JSFP 32 holes
4/19/88	4906'-4911'	4 JSFP 20 holes
4/19/88	4899'-4904'	4 JSFP 20 holes
4/19/88	4886'-4898'	4 JSFP 48 holes
4/21/88	4421'-4429'	4 JSFP 32 holes
4/21/88	4415'-4420'	4 JSFP 20 holes
09/30/03	5072'-5078'	4 JSFP 24 holes
09/30/03	4415'-4430'	4 JSFP 60 holes

NEWFIELD

Wells Draw Fed. #41-5G-9-16

632' FNL & 516' FEL

NENE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31205; Lease #U-30096

MIR 10/23/03